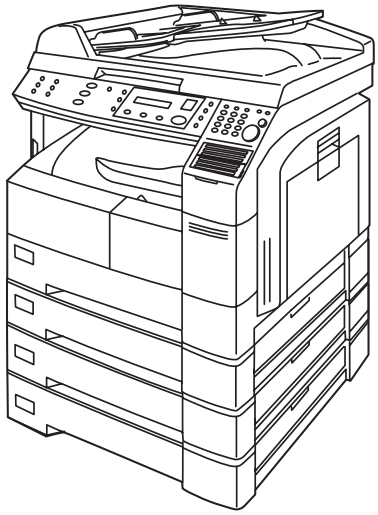
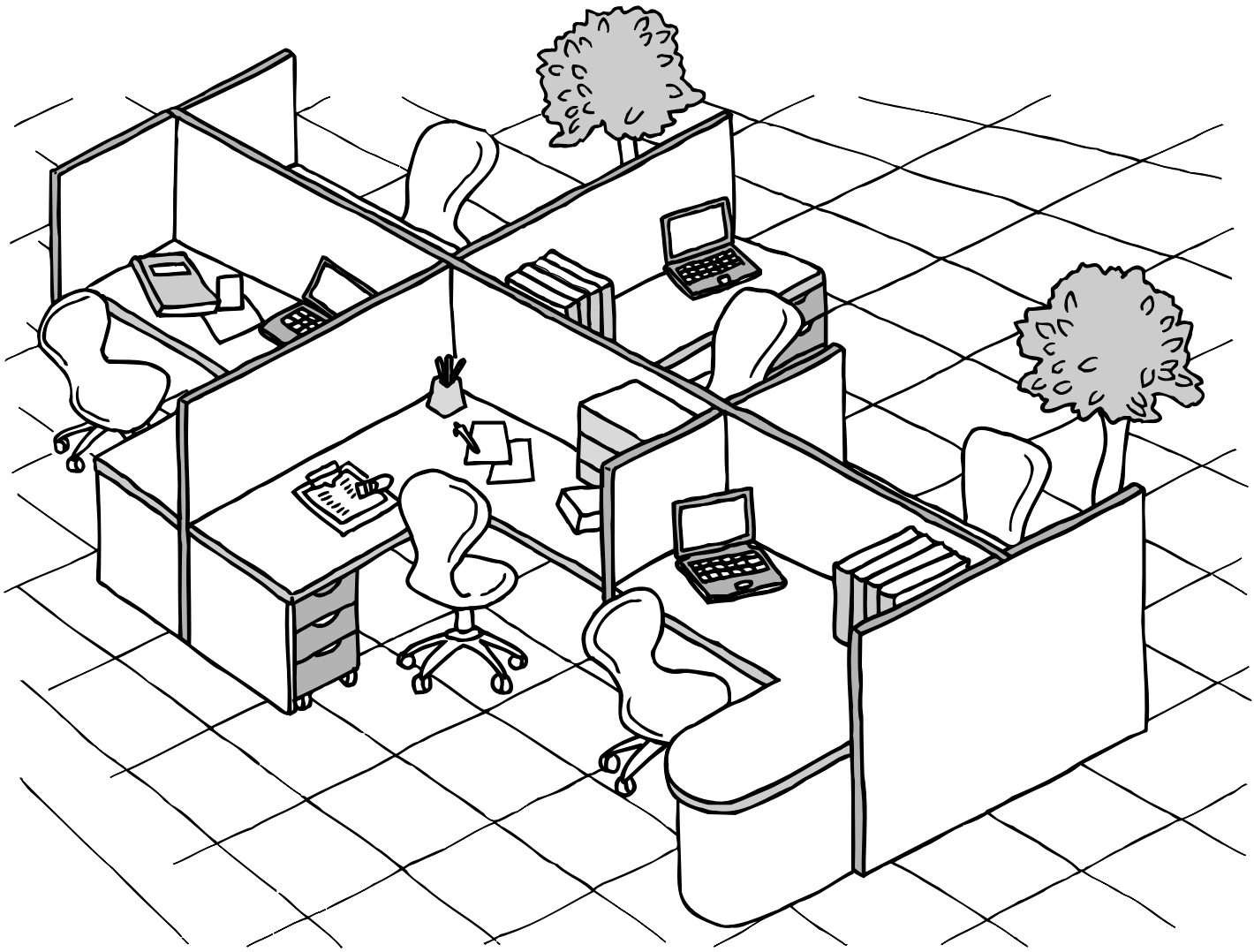


Panasonic®

Digital Imaging System
Operating Instructions
(For Internet Fax)

Model No. DP-1810F



Before operating this equipment, please read these instructions completely and keep these operating instructions for future reference.

English

IMPORTANT INFORMATION

When requesting information, supplies or service, always refer to the model and serial number of your machine. The model and serial number plate (Main Name Plate) is located on the machine as shown below. For your convenience, space is provided below to record information you may need in the future for reference or troubleshooting.

Model No. Serial No.

Date of Purchase

Dealer

Address

Telephone Number ( ) –

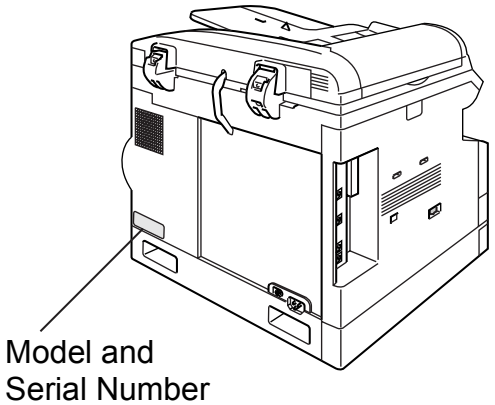
Supplies Telephone Number ( ) –

Service Telephone Number ( ) –

For the total system to work properly via LAN, certain information and additional parameters must be set. Please contact your network administrator for the required information and connection to the LAN.

User Information	
Company Name:	
Address:	
Dept.:	
City:	
Tel. No.:	Fax No.:

Internet Parameters (See page 25)		
IP Address:		
Subnet Mask:		
SMTP Server Name:	or	SMTP Server IP Address:
Default Router IP Address:		
Email Address:		
DNS Server IP Address:		
POP Server Name:	or	POP Server IP Address:
POP User Name:		
POP Password: (for security, do not write it in - but keep it in a safe place)		
Host Name:		



Model and
Serial Number

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The contents of these Operating Instructions are subject to change without notice.

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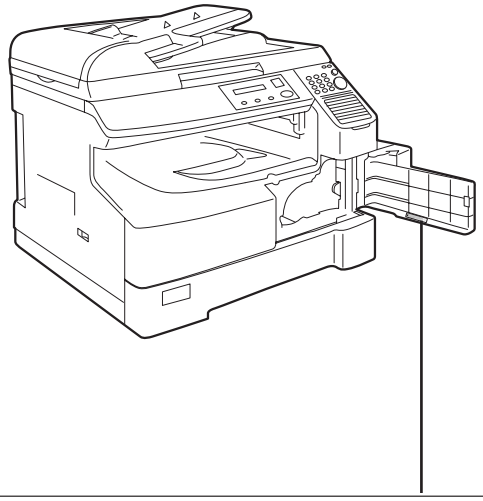
Safety Information

⚠ WARNING denotes a potential hazard that could result in serious injury or death.

- TO PREVENT FIRE OR SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY TYPE OF MOISTURE.
- TO MINIMIZE THE POSSIBILITY OF SHOCK OR DAMAGE TO THE MACHINE, IT MUST BE PROPERLY GROUNDED.
- THIS PRODUCT UTILIZES A LASER. ONLY QUALIFIED SERVICE PERSONNEL SHOULD ATTEMPT TO SERVICE THIS DEVICE DUE TO POSSIBLE EYE INJURY.

⚠ CAUTION - USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

- THE POWER CORD ON THIS EQUIPMENT MUST BE USED TO DISCONNECT THE MAIN POWER. PLEASE ENSURE THAT THE SOCKET OUTLET IS INSTALLED NEAR THE EQUIPMENT AND SHALL BE EASILY ACCESSIBLE.
- MAKE SURE THAT THE MACHINE IS INSTALLED IN A SPACIOUS OR WELL VENTILATED ROOM SO AS NOT TO INCREASE THE AMOUNT OF OZONE IN THE AIR. SINCE OZONE IS HEAVIER THAN AIR, IT IS RECOMMENDED THAT AIR AT FLOOR LEVEL BE VENTILATED.



• **DANGER** : Invisible laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.
• **CAUTION** : Invisible and hazardous laser radiation when interlocks defeated. AVOID EXPOSURE TO BEAM.
• **ATTENTION** : Rayonnement laser invisible dangereux lorsque la sécurité est neutralisée. EXPOSITION DANGEREUSE AU FAISCEAU.
• **VORSICHT** : Unsichtbare Laserstrahlung, wenn Sicherheitsvernegelung überbrückt. NICHT DEM STRAHL AUSSETZEN.
• **PELIGRO** : Cuando se invalida el bloqueo,se producen radiaciones invisibles de láser. EVITESE LA EXPOSICIÓN DIRECTA A TALES RAYOS.
• **VAROI** : Näkymätöntä ja vaarallista lasersäteilyä suojalukitus ohitettaessa. Vältäsuoraa altistumista säteelle.
• **ADVARSEL** : USYNLIG LÅSERSTRALING NÅR SIKKERHEDSAF-BRYDERE ER UDE AF FUNKTION. UNDGÅ UDSETTELSE FOR STRÅLING.
• **ADVARSEL** : USYNLIG LÅSERSTRALING NÅR SIKKERHEDS-LÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.
• **VARNING** : OSYNLIG LASERSTRÅLNING NÄR SPÄRRAR ÄR URKOPPLADE. STRÅLEN ÄR FARLIG.
• **注意** : 为防止激光照射，当连接本机时，请勿暴露在光柱下.
• **주의** : 연결장치가 고장 났을 때에는 눈에 보이지않고 위험한 레이저 방사선이 빛에 직접 달지않도록 해 주십시오.

FBS8902

Safety Information

⚠ CAUTION denotes hazards that could result in minor injury or damage to the machine.

- THIS PRODUCT CONTAINS A LITHIUM BATTERY. DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED.
  REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS OF YOUR LOCAL SOLID WASTE OFFICIALS.
- TO REDUCE THE RISK OF SHOCK OR FIRE, USE ONLY NO. 26 AWG OR LARGER TELEPHONE LINE CABLE.
- DISCONNECT ALL POWER TO THE MACHINE BEFORE COVER(S) ARE REMOVED. REPLACE THE COVER(S) BEFORE THE UNIT IS RE-ENERGIZED.

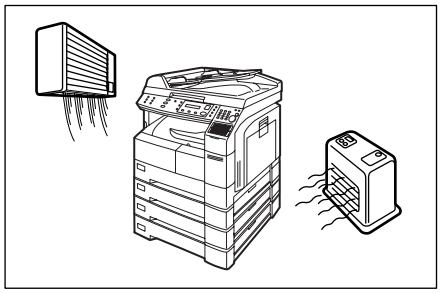
⚠ IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

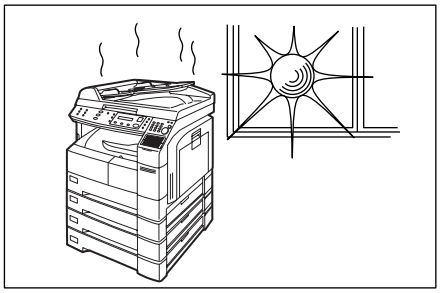
- DO NOT USE THIS PRODUCT NEAR WATER, FOR EXAMPLE, NEAR A BATH TUB, WASH BOWL, KITCHEN SINK OR LAUNDRY TUB, IN A WET BASEMENT OR NEAR A SWIMMING POOL.
- AVOID USING A TELEPHONE (OTHER THAN A CORDLESS TYPE) DURING AN ELECTRICAL STORM. THERE MAY BE A REMOTE RISK OF ELECTRIC SHOCK FROM LIGHTNING.
- DO NOT USE THE TELEPHONE TO REPORT A GAS LEAK IN THE VICINITY OF THE LEAK.
- USE ONLY THE POWER CORD AND BATTERIES INDICATED IN THIS MANUAL. DO NOT DISPOSE OF BATTERIES IN A FIRE, THEY MAY EXPLODE. CHECK WITH LOCAL CODES FOR POSSIBLE SPECIAL DISPOSAL INSTRUCTIONS.

Safety Information

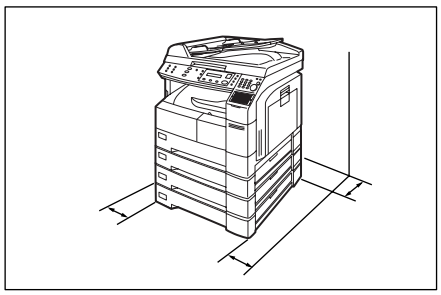
⚠ CAUTION denotes hazards that could result in minor injury or damage to the machine.



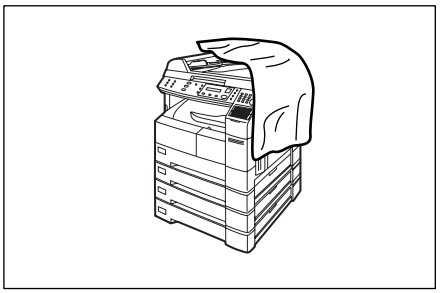
Do not install the machine near heating or an air conditioning unit.



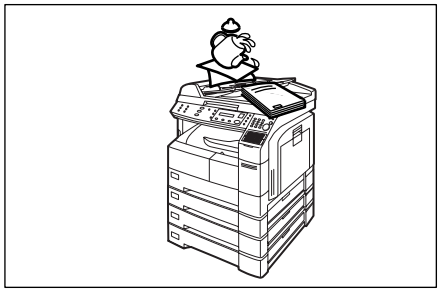
Avoid exposure to direct sunlight.



Install the machine on a flat surface, leave at least 4 inches (10 cm) of space between the machine and other objects.



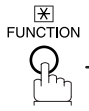
Do not block the ventilation openings.



Do not place heavy objects or spill liquids on the machine.

Function Key

Any function can be started by first pressing FUNCTION and then enter the function number, or by pressing ▼ or ▲ scroll key repeatedly until the desired function appears on the display.

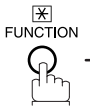


1 **Deferred Communication**
1 = XMT
2 = Polling
3 = Advanced Communication

2 **Advanced Communication**
2 = Confidential Communication
4 = Sub-Address XMT
5 = LAN Relay XMT

3 **Polling**
1 = Polling
2 = Polled

6 **Printout**
1 = Journal (Print/View)
2 = One-Touch/Abbreviated/ Directory Search List
3 = Program List
4 = Fax Parameter List
5 = Not used
6 = Individual XMT Journal
7 = Directory Label



7 **Set Mode**
1 = User Parameters
- Date & Time
- Logo
- Character ID
- ID Number (Fax Telephone Number)
- Time Zone
- Internet Parameters

2 = One-Touch/Abbreviated Numbers
3 = Program Keys
4 = Fax Parameters

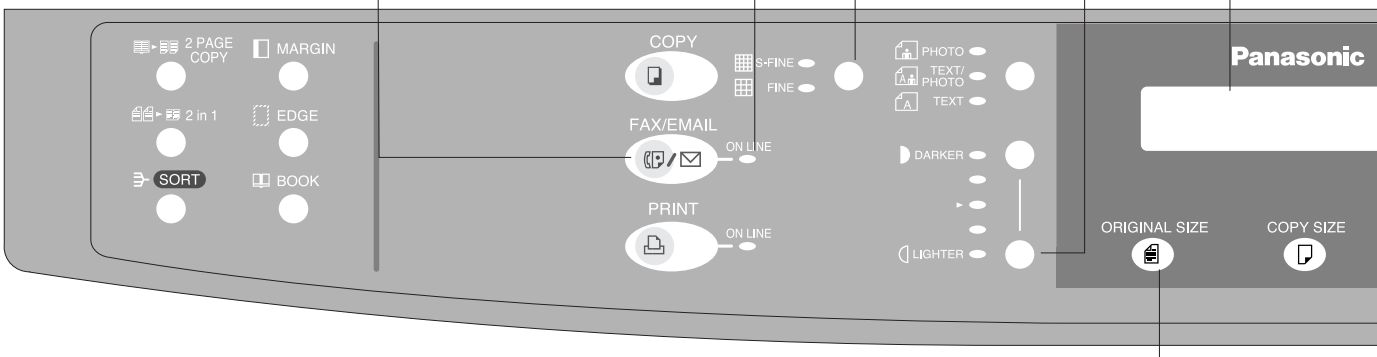
8 **Select Mode**
1 = Communication Journal = OFF/ON/INC
4 = Password-XMT = OFF/ON (See Note 1)
5 = RCV to Memory = OFF/ON/PRINT
8 = LAN A3 XMT
(A3 → B4 Reduction)

9 **Edit File Mode**
1 = File List (Print/View)
2 = Change Time/Station
3 = Delete File
4 = Print File
5 = Add Document
6 = Retry Incomplete File

NOTE

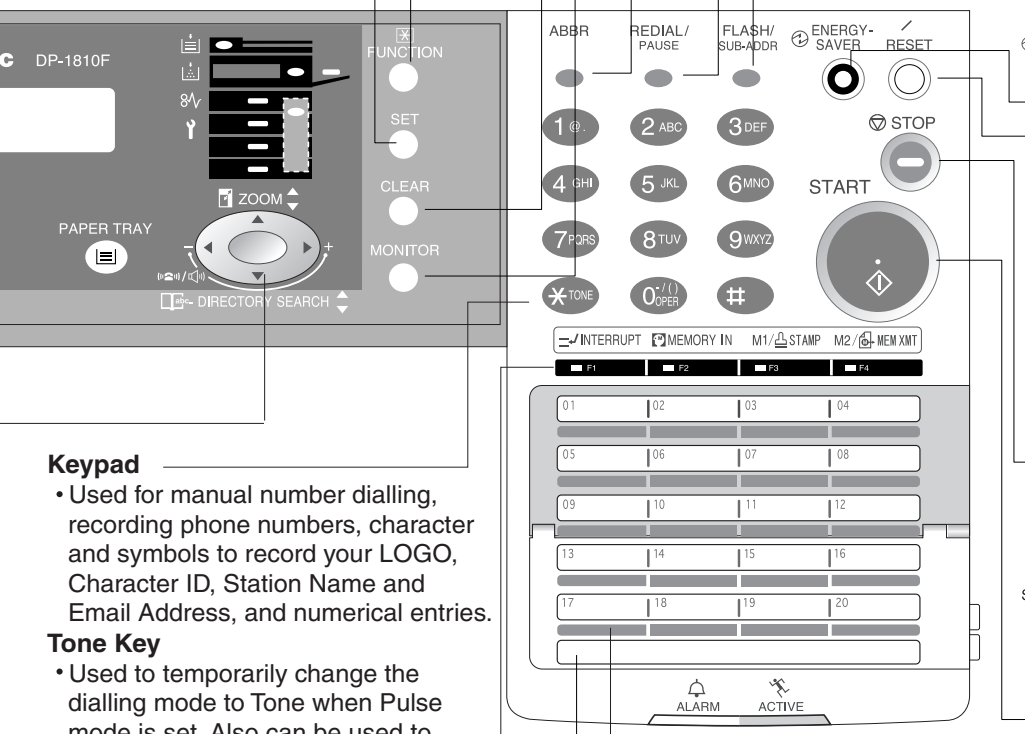
1. *If Fax Parameter is not preset to a Valid position, which enables you to use the function, the display will not show the function.*

Control Panel



Used for the following:
- Adjust the monitor and ringer volume.
- Move the cursor while entering numbers and characters.
- Search the station name for Directory Search Dialling.
- Confirm the entered station for multi-station communication.
- Select functions.
- Confirm the current communication modes (e.g. Page number, ID, Dialled Telephone number or Email address, File number) when the unit is ON LINE.

Control Panel



MONITOR
- Used to start On-Hook Dialling or entering a space between characters or numbers.
- Used to insert a space while entering User and Internet Parameters, such as LOGO, character ID, station name and telephone numbers.

FUNCTION
- Used to start or select the function and subfunctions. These functions are explained in detail on page 9.

CLEAR
- Use this button when correcting entered numbers or characters.

ABBR
- Used to start Abbreviated Dialling. (See page 42 and 49)

REDIAL/PAUSE
- Used to enter a pause when recording or dialling a telephone number, or to redial the last dialled number.

FLASH/SUB-ADDR
- Used to separate the Sub-Address from the telephone number when dialling, or to access some features of your PBX.

SET
- Used to set operations.

ENERGY-SAVER
- Used to switch the machine into energy saving mode. For more details, see page 23 of the Operating Instructions (For Copier.)

RESET
- Used to reset all the previously set functions.

STOP
- Press this button when you want to stop the communication, registration operation, or audible tone.

START
- Press this button to start fax transmission or an Email communication and manual fax reception.

Keypad
- Used for manual number dialling, recording phone numbers, character and symbols to record your LOGO, Character ID, Station Name and Email Address, and numerical entries.

Tone Key
- Used to temporarily change the dialling mode to Tone when Pulse mode is set. Also can be used to enter a period "." during email and IP Address programming.

Directory Search
- Used to search the station name for Directory Search Dialling. (▲ ▼)

One-Touch Keys (01-52)
- Used for One-Touch Dialling. (See pages 45, 49 and 51)

Program Keys (P1-P8)
- Used to record long dialling procedures or Group Dialling Number keys.

M1/ STAMP
- Used to turn the verification stamp ON or OFF. (See page 54)

M2/ MEM XMT
- Used to select either memory or direct communication. (See page 60 to 73)

Pre Installation Information

Before setting up your Panasonic machine on your network, please read this entire section to be familiar with its functions.

Your machine is able to perform the following when connected to a 10Base-T/100Base-TX Ethernet LAN (local area network):

- Send paper-based information as an Internet Email.
- Receive and print an Internet Email automatically.
- Forward received G3 fax message or Email automatically to the preprogrammed Email address or regular G3 fax machine (see "Fax Forward" on pages 95).
- Route received G3 fax message automatically to the sender-specified Email address or G3 fax machine using ITU-T SUB-Address (see "Inbound Routing" on pages 91 to 94).
- Route received G3 fax messages automatically to the preprogrammed Email address or G3 fax machine using the sender's fax ID code (see "Inbound Routing" on pages 91 to 94).
- Relay an Internet Email to a G3 fax machine via regular fax transmission (see "Relayed Transmission" on pages 100 to 111).
- Network scanning and printing.

To utilize the above functions, your machine needs to be set up properly on your network. ***Please contact your network administrator for actual network setup.***

Copy the Pre-installation Information form found at the end of this section on page 15, record the MAC Address on the form and ask your network administrator to complete the remaining information on the form. The MAC Address of your machine can be found on the 2nd page of the Fax Parameter List printout (press FUNCTION ⑥ ④ SET).

Your machine can be set up as either **SMTP mail server** or **POP3 client**. Dependent on the type of setup, different functions are available as follows.

Function	SMTP Server Setup	POP3 Client Setup
Sending paper-based information as an Internet Email	Yes	Yes
Receive and print an Internet Email automatically	Yes	Yes
Receive and print an Internet Email manually	No	Yes
Forward received G3 fax message or Email automatically	Yes	Yes
Route received G3 fax message automatically	Yes	Yes
Relay an Internet Email to G3 fax machine	Yes	No

NOTE

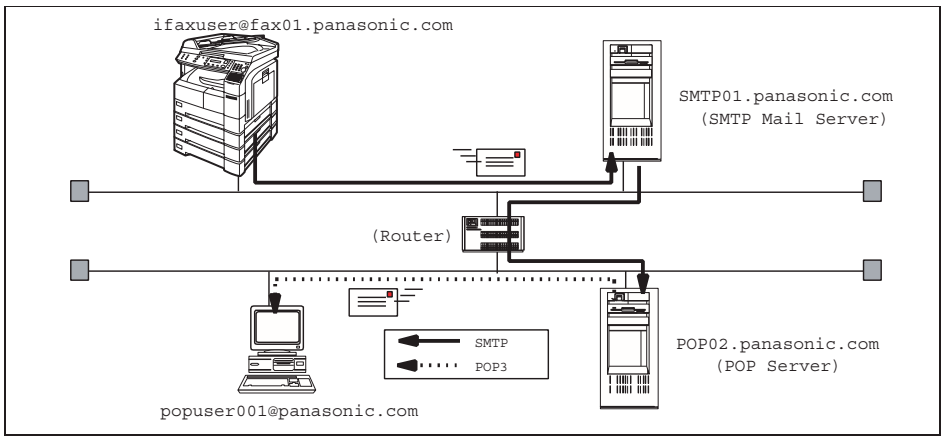
1. *To function as SMTP mail server, your machine's email address must include its unique Host name within your company domain. This unique Host name must be registered within your network's DNS (Domain Name System) server. Example: Internet_Fax@fax01.panasonic.com*
2. *Automatically refers to immediate SMTP transfer or immediate POP3 retrieval. Manually refers to manual retrieval of mail when configured as POP3 client.*
3. *Your machine will receive, print, forward or relay emails in text message format and TIFF-F image file attachment only.*
4. *Dynamic Host Configuration Protocol (DHCP) is not supported.*

Setup as SMTP mail server

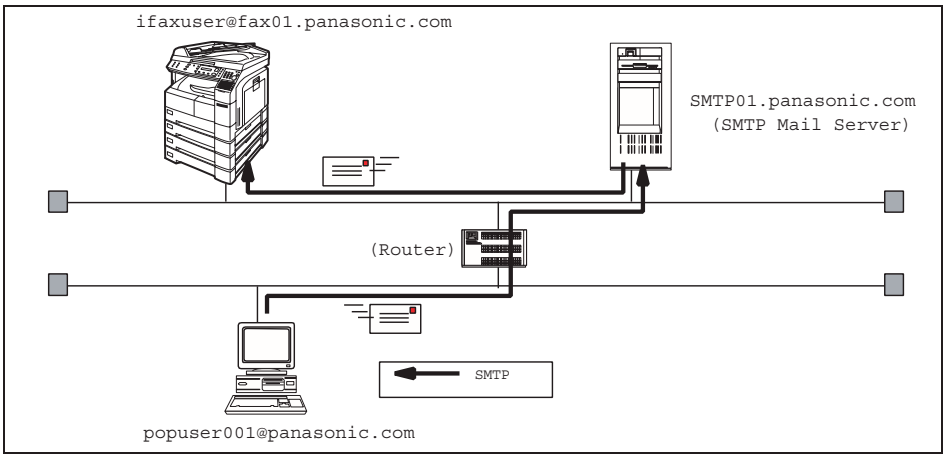
To install your machine as SMTP mail server, the following network parameters need to be programmed on your network and on your machine.

- IP Address of the DNS Server (if not available, see Note 2)
- IP Address of your machine
- Subnet Mask of your machine
- Name or IP Address of the Default SMTP mail server
- IP Address of the Default Router
- Email Address of your machine (see Note 1)
- Host Name

Email Transmission (from your machine to a PC)



Email Reception (from a PC to your machine)



NOTE

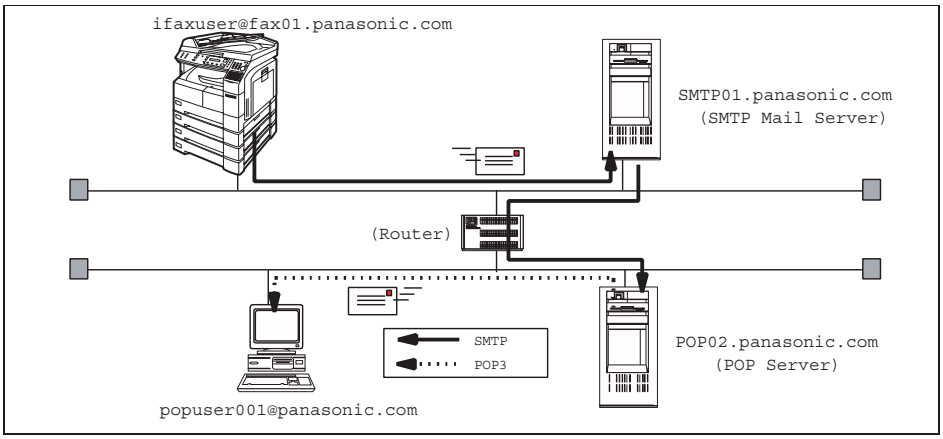
1. *To function as SMTP mail server, your machine's email address must include its unique Host name within your company domain. This unique Host name must be registered within your network's DNS (Domain Name System) server. Example: Internet_Fax@fax01.panasonic.com*
2. *By default the machine requires the IP Address of the DNS Server and prompts you to enter the SMTP Server Name. If the DNS Server is not available, change the Fax Parameter No. 161 (DNS SERVER) to "1:Invalid". Then the machine will prompt you to enter the IP Address of the SMTP Server.*
3. *Dynamic Host Configuration Protocol (DHCP) is not supported.*

Setup as POP3 Client

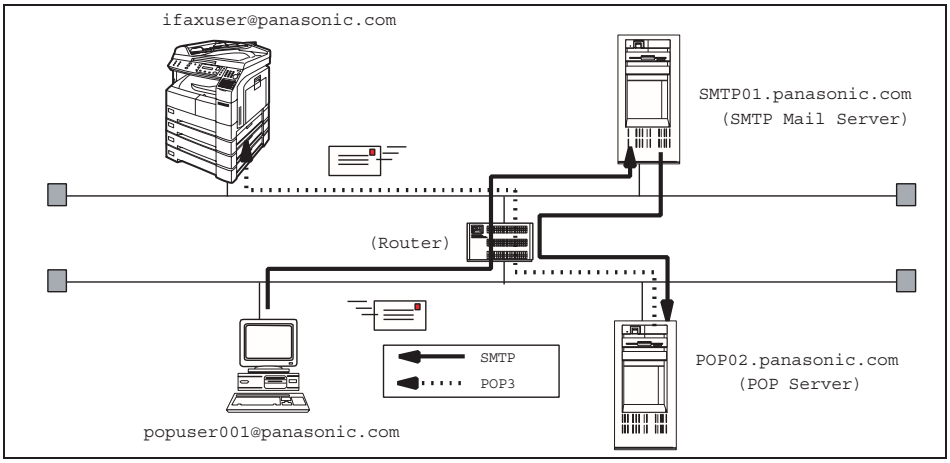
To install your machine as POP3 Client, the following network parameters need to be programmed on your network.

- IP Address of the DNS Server (if not available, see Note 2)
- IP Address of your machine
- Subnet Mask of your machine
- Name or IP Address of the Default SMTP mail server
- IP Address of the Default Router
- POP Server Name or IP Address
- POP User Account Name
- POP Password
- Email Address of your machine (see Note 1)

Email Transmission (from your machine to a PC)



Email Reception (from a PC to your machine)



NOTE

1. *The email address format can be the same as your regular email address. If your email address is popuser001@panasonic.com, your machine's email address can be Internet_Fax@panasonic.com.*
2. *By default the machine requires the IP Address of the DNS Server and prompts you to enter the SMTP and POP Server Names. If the DNS Server is not available, change the Fax Parameter No. 161 (DNS SERVER) to "1:Invalid". Then the machine will prompt you to enter the IP Address of the SMTP and POP Servers.*

Pre Installation Information

For the total system to work properly via LAN, certain information and additional parameters must be set. Please contact your network administrator for the required information and connection to the LAN.
Important: Make a copy of this page and ask the Network Administrator to complete the required information. After its returned, transfer the information to the back side of the front cover for future reference and troubleshooting.

User Information	
Company Name	
Address	
Dept.	
City	
Tel. No.	Fax No.

Internet Parameters (See page 26)		
(1) **IP Address:**		
(2) **Subnet Mask:**		
(3) ***SMTP Server Name:**	or	***SMTP Server IP Address:**
(4) **Default Router IP Address:**		
(5) **Email Address:**		
(6) **DNS Server IP Address:**		
(7) **POP Server Name:**	or	***POP Server IP Address:**
(8) **POP User Name:**		
(9) **POP Password:**		
(10) **Host Name:**		
(11) Default Subject:		
(12) Default Domain:		
(13) Selectable Domains:		
1.	6.	
2.	7.	
3.	8.	
4.	9.	
5.	10.	
(14) Remote Password:		
(15) Relay XMT Password:		
(16) Manager's Email Address:		
(17) Relay Domains (Domains Authorized for Relay Transmission):		
1.	6.	
2.	7.	
3.	8.	
4.	9.	
5.	10.	

NOTE

1. *Items in Bold, depict information obtained from you Network Administrator.*
2. *By default the machine requires the IP Address of the DNS Server and prompts you to enter the SMTP and POP Server Names (items 3 and 7 above). If the DNS Server is not available, change the Fax Parameter No. 161 (DNS SERVER) to "1:Invalid". Then the machine will prompt you to enter the IP Address of the SMTP and POP Servers.*
3. *If required, the MAC Address of your machine can be obtained from the 2nd page of the Fax Parameter List printout, by pressing* FUNCTION ⑥ ④ SET .
4. *Dynamic Host Configuration Protocol (DHCP) is not supported.*

Continued on the next page...

Explanation of Contents

	MAC Address	: *MAC Address from the 2nd page of the Fax Parameter List printout (press* FUNCTION ⑥ ④ SET *).*
(1)	IP Address	: The Internet Protocol (IP) address assigned to your machine.
(2)	Subnet Mask	: The Subnet Mask number.
(3)	SMTP Server Name or SMTP Server IP Address	: The SMTP Server Name (up to 60 characters). The SMTP Server IP Address.
(4)	Default Router IP Address	: The Default Router's IP Address.
(5)	Email Address	: The email address assigned to your machine. (Up to 60 characters)
(6)	DNS Server IP Address	: The IP address of the DNS Server.
(7)	POP Server Name or POP Server IP Address	: The POP Server Name. (Up to 60 characters) The POP Server IP Address.
(8)	POP User Name	: POP User Name. (Up to 40 characters)
(9)	POP Password	: POP Password. (Up to 10 characters)
(10)	Host Name	: The name assigned to your machine. (Up to 60 characters)
(11)	Default Subject	: The information to be added to the Subject Line for all outgoing emails. (Up to 40 characters)
(12)	Default Domain	: Specify the Domain Name (up to 50 characters) to be added to frequently used or incomplete outgoing email addresses (i.e. @yourcompany.com).
(13)	Selectable Domains	: Enter up to 10 Domain Names that can be selected during manual email addressing. (Up to 30 characters)
(14)	Remote Password	: Enter a security password (up to 10 characters) to allow Remote Programming of the Internet Parameters and Auto Dialler or the retrieval of the Journal via email.
(15)	Relay XMT Password	: Enter a password to provide network security to your Relay Station (for G3 relay purposes). (Up to 10 characters)
(16)	Manager's Email Address	: Enter you Department Manager's email address for notification of all Internet relayed transmissions for supervision and cost control purposes. (Up to 60 characters)
(17)	Relay Domain (01 to 10)	: Enter up to 10 Domain Names that are authorized to access your Internet Fax for Relayed Transmission Request. (Up to 30 characters) Relay Domain, a.k.a. Domain Name in the DX-1000/2000.

NOTE

1. All IP Addresses consist of 4 parts separated by dots (i.e. 165.113.245.2).

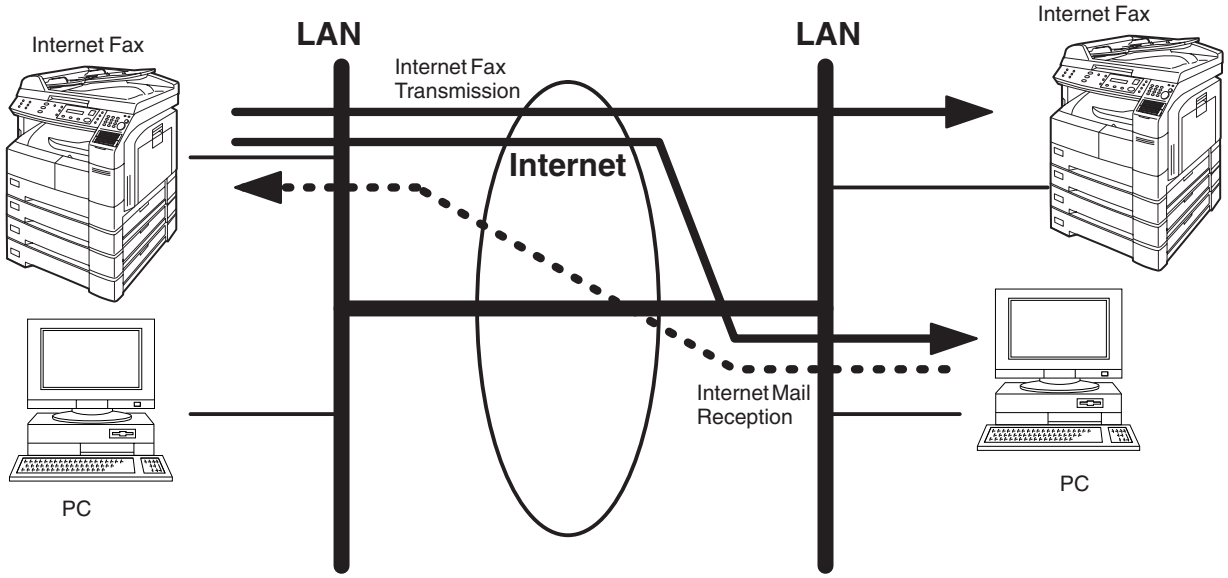
Internet Communication Features

Internet Fax Transmission

Your machine allows you to transmit documents over the Internet to another Internet Fax or a PC. The document is first scanned and converted into a TIFF-F formatted image file, and then transmitted to the remote location as an attachment file to an email using MIME encoding.
The email system at the receiving end must support MIME. Otherwise, the attachment file will be detached and lost.
When you send an email message to someone, your machine uses Simple Mail Transfer Protocol (SMTP) to transfer your outgoing mail to your SMTP mail server, which in turn uses SMTP to send your mail to the Internet.

Internet Mail Reception

Your machine allows you to receive and print a PC transmitted email automatically or manually, depending on its setup configuration. However, if the received email includes file attachment in a format other than TIFF-F, such as Word, Excel, Power Point, your machine prints an error message instead.

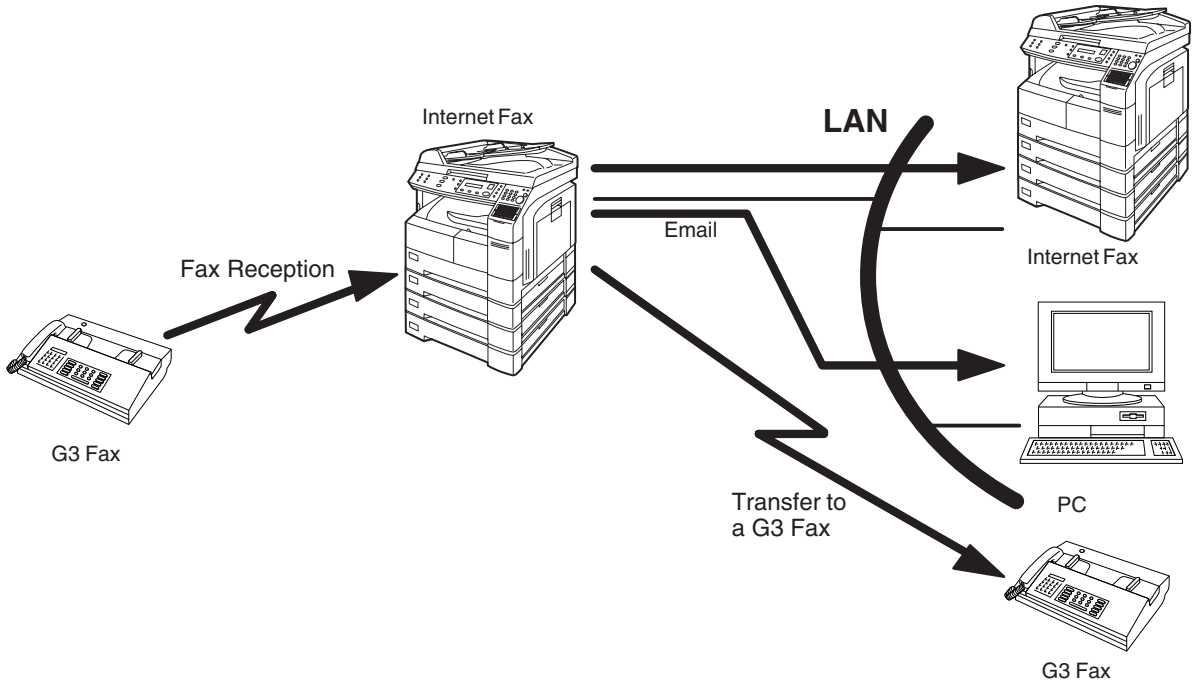


Inbound Routing

Using the Inbound Routing feature, your machine can route documents received from a G3 fax machine to email address(s) or to Internet Fax machine(s) connected to a LAN as an email, as well as to other G3 fax machine(s) over the telephone line.

When an incoming Internet Fax, email or a regular fax document is received, your machine, checks for the following:

1. First, your machine checks whether a sub-address is included. If it is, it will look for a sub-address match within its auto dialler and will route the documents to the corresponding stations email address(s) and/or telephone number(s).
2. If no sub-address is specified, then your machine tries to match the originating fax machine's Numeric ID (TSI) with the TSI routing within its auto dialler and will route the documents to the corresponding stations email address(s) and/or telephone number(s).

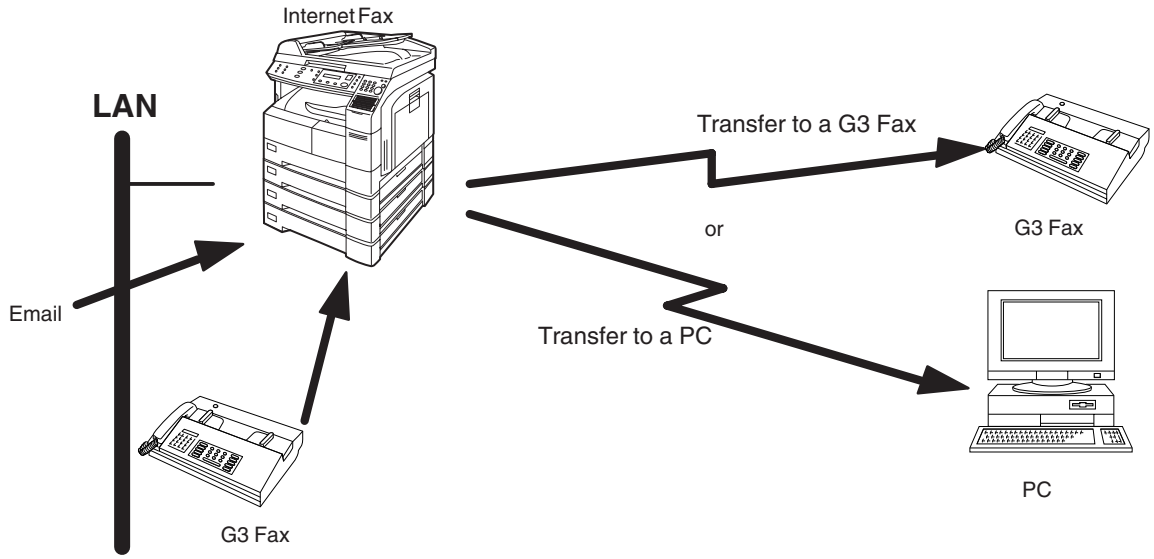


NOTE

1. *If the originating fax machine does not support the above sub-address function, sub-address destination(s) cannot be selected.*
2. *Your machine will allow you to register the same sub-address number for an email address and a telephone number.*

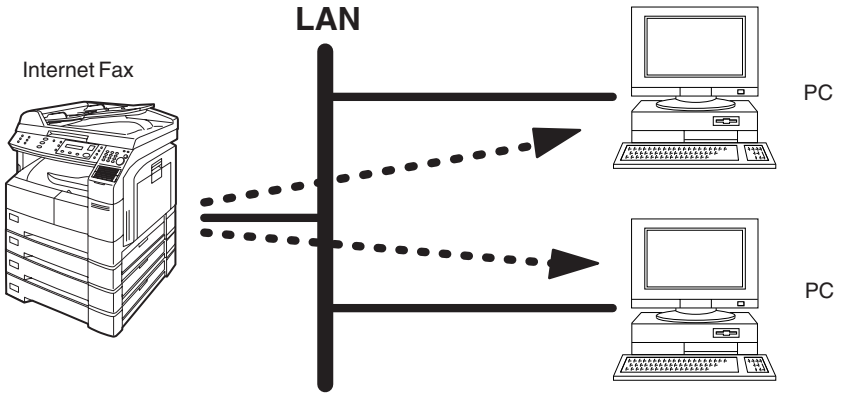
Fax Forward

Your machine is capable of transferring all received Internet email or regular G3 fax documents to a pre-programmed G3 fax or a PC destination.



Network Scanner

Your machine can be utilized as a network scanner by simply transmitting an image to a PC as TIFF-F attachment to an email.
This feature was enhanced with an addition of a new Fax Parameter No. 164 (IFAX XMT HEADER), giving you a selection of whether to include the header when sending a document to an address in the same Domain as specified in the Default Domain parameter. (See Note 1)



NOTE

1. When sending to a Domain other than as specified in the Default Domain parameter, the header will be included regardless of the selection.

Network Printer

Your machine can be utilized as a network printer by simply sending the documents created on your PC using various software applications to your machine via TCP/IP protocol.

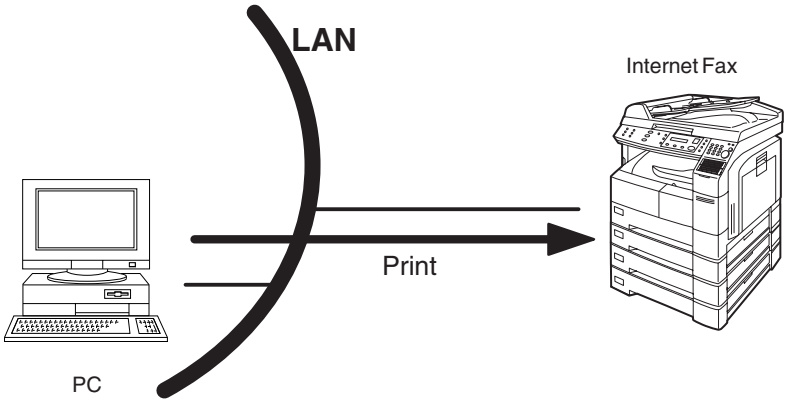
There a two parts to setting up your machine as a network printer. Part 1 requires you to download the software (printer driver and LPR) from the web site listed below.

The second part requires you to install and configure the software on your PC to work with your machine. (See the web site for details about the printer driver installation and operation.)

You can download the Panasonic's printer driver and LPR monitor from any of the following URL addresses:

http://www.panasonic.co.jp/mgcs/internetfax/

http://www.panasonic.com/internetfax



NOTE

1. *The IP Address, Subnet Mask and Default Router IP Address (TCP/IP Gateway Address) must be programmed on your machine to use as a Network Printer.*

Relayed Transmission

Your machine allows you to transmit an email received from an Internet Fax or PC connected to the LAN to multiple fax machines via a telephone line. You can attach files with the TIFF-F format to this email.

Using the Sub-address specified by the originating fax machine, your machine can then route the received documents to the remote machine via an email, which can then relay these documents to final destinations where the final recipient is a regular G3 fax machine.

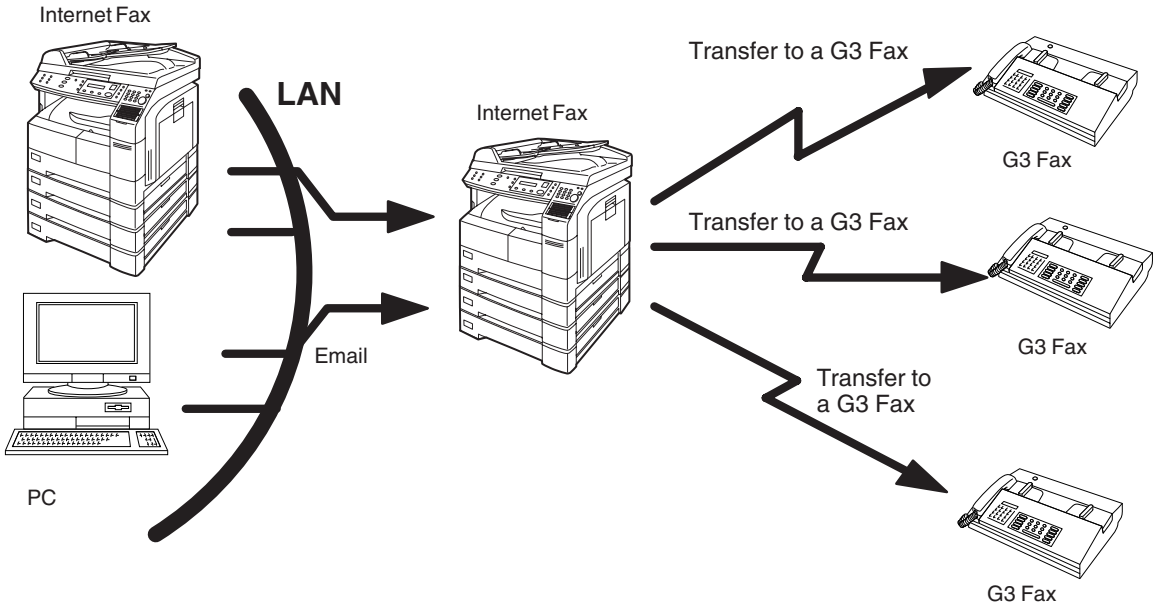
Your machine also allows you to convert a data file from various application programs such as spreadsheet into a TIFF-F format file and then transmit this file attached to an email.

To convert applications into a TIFF-F formatted file, however, requires you to first download the software (printer driver) from the web site listed below. The second part requires you to install the software on your PC.
(See the web site for details about the printer driver installation and operation.)

You can download the Panasonic's printer driver from any of the following URL addresses:

http://www.panasonic.co.jp/mgcs/internetfax/

http://www.panasonic.com/internetfax



Your machine uses the same communication protocols as email: the Simple Mail Transfer Protocol (SMTP). The differences from a standard G3 fax communication using the Public Telephone Network (PSTN) are as follows.

Differences between Internet Fax and Regular Fax

A regular Fax machine goes off-hook, dials, and the phone network completes a circuit over phone lines to the receiving fax. You pay for the circuit. The two faxes negotiate a connection, synchronize and exchange image data.
The Internet Fax works like an email, the image data is broken down into packets and transmitted through your Local Area Network (LAN) to the Internet or Intranet instead of using a telephone company's network, thus saving you long distance costs.

Transmitted Document Confirmation

1. Your machine does not directly connect to the final destination, but rather connects to a Mail Server via LAN. Therefore, if a document cannot be correctly transmitted due to an error, the erroneous mail may be returned from the Mail Server to your machine.
2. The erroneous mail may take a long time to return (20 to 30 minutes) depending on the destination location, traffic on the network or LAN system configuration.
3. Depending on the Mail Server, it is also possible that erroneous mail is not returned at all. Therefore, when transmitting important or time sensitive documents, it is recommended that you follow up with a telephone call to confirm reception.
4. Documents cannot be transmitted correctly if the destination Mail Server does not conform to the MIME protocol. Erroneous mail may not be returned depending on the Mail Server.

Your machine Cannot Make a Phone Call via LAN

Your Panasonic machine can only make a phone call using a regular telephone line (PSTN).

Transmission Resolution

In view of PC transmission, the factory default setting for the resolution is set to FINE mode. If required, this setting can be changed to Normal.

Internet Mail Reception

1. Your machine can receive text email from a PC and print ANSI characters. It will print a "■" symbol if an unrecognized character is received.
2. Received email font and character size are fixed and cannot be changed.
3. Text email will be printed at about 72 lines per page. It is recommended that you use A4/Letter size recording paper.
4. If the received text email includes a file attachment in a format other than TIFF-F, such as Word, Excel, Power Point, your machine prints an error message instead.
5. If the received email includes attached TIFF-F formatted image files, the text and TIFF-F formatted image file will be printed on separate pages.

Sending Document Size via LAN

When transmitting via LAN, the transmitter is incapable of identifying the receiver's recording paper size capability, and thus it will not reduce the document size. Therefore, when transmitting via LAN, it is recommended that you use only A4/Letter size documents. If a A3/B4 size document is transmitted and the receiver is only able to print A4/Letter size, the communication will fail when the Fax Parameter No. 141 (LAN XMT REDUCTION) is set to "1:Invalid" or the Select Mode "LAN A3 XMT" is set to "On".

Sending a Document to a PC via LAN

When transmitting a document to an email address, the following instructions are sent as text message in addition to the TIFF-F formatted image file.

An Image data in TIFF-F format has been attached to this email. You can download the TIFF-F Image Viewer from the following URL addresses:

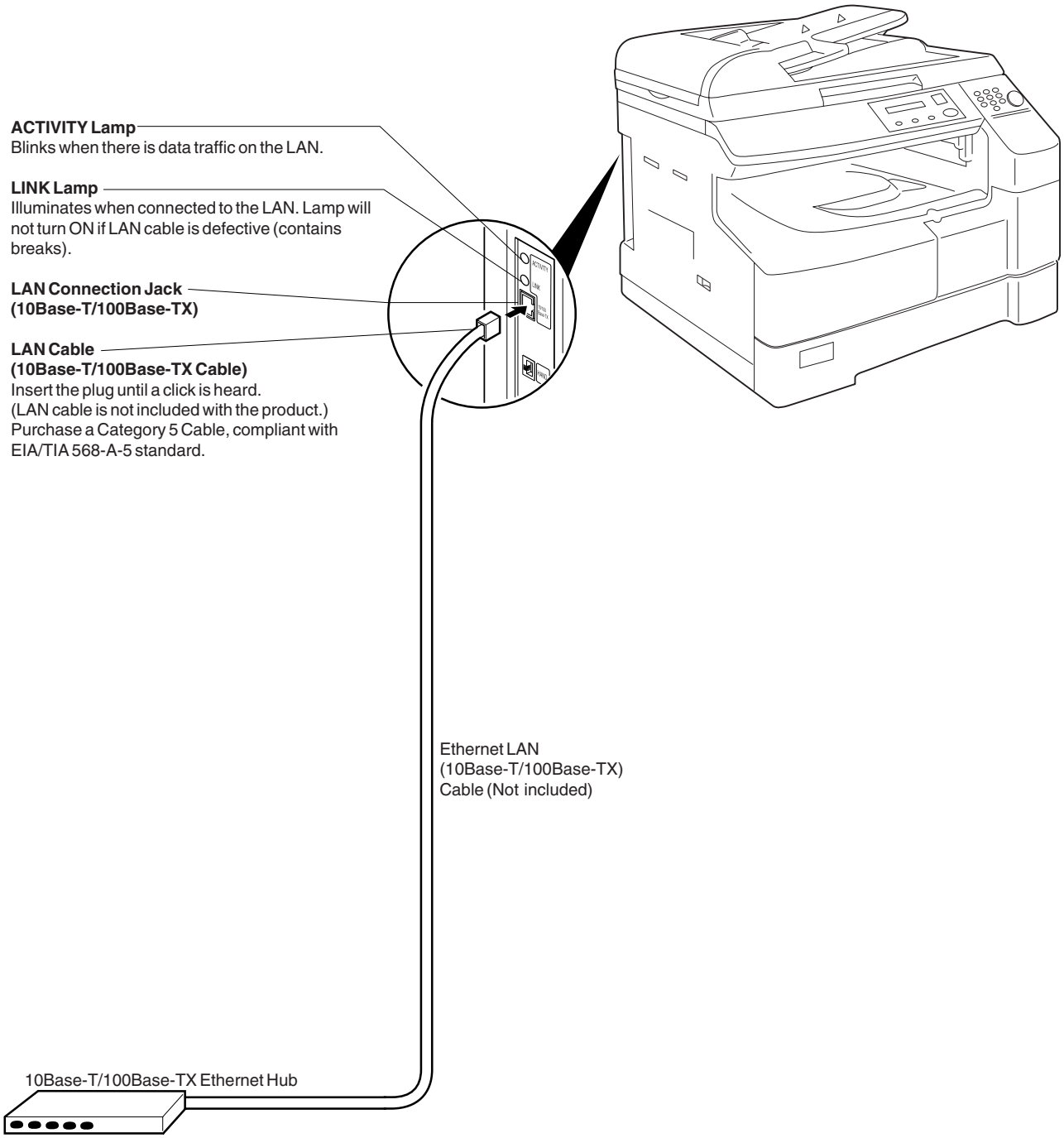
http://www.panasonic.co.jp/mgcs/internetfax/

http://www.panasonic.com/internetfax

Internet Relayed Transmission

To prevent unauthorized stations from accessing your Relay Station for Internet Relayed Transmission, you must set up your Network security. Enter a Relay Station Name, which is concealed from the final destinations and a Manager's Email Address for notification of all Internet Relayed Transmissions.

Connecting the LAN Cables


ACTIVITY Lamp
Blinks when there is data traffic on the LAN.
LINK Lamp
Illuminates when connected to the LAN. Lamp will not turn ON if LAN cable is defective (contains breaks).
LAN Connection Jack
(10Base-T/100Base-TX)
LAN Cable
(10Base-T/100Base-TX Cable)
Insert the plug until a click is heard.
(LAN cable is not included with the product.)
Purchase a Category 5 Cable, compliant with EIA/TIA 568-A-5 standard.
Ethernet LAN
(10Base-T/100Base-TX)
Cable (Not included)
10Base-T/100Base-TX Ethernet Hub

Setting the User (Internet) Parameters

See Operating Instructions (For Facsimile) if you wish to set the basic settings (User Parameters).
Before starting, you will need a completed copy of page 15 (Pre Installation Information). For your machine to be able to operate on the Network properly, the following five (5) Basic Parameters must be pre-programmed into the machine.

- IP Address
- Subnet Mask
- SMTP Server Name or IP Address
- Default Router IP Address
- Email Address

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

1 FUNCTION, 7 PQRS

```
SET MODE        (1-4)
ENTER NO. OR ∨ ∧
```

2 1 @.

```
1:USER PARAMETERS?
PRESS SET TO SELECT
```

3 SET repeatedly until display shows;

```
IP ADDRESS
▮
```

4 Enter the IP Address using the keypad. Press * TONE to enter the period ".". (See Note 4)

Ex: 1 2 3 * 1 7 8 * 2 4 0 * 3

```
IP ADDRESS
123.178.240.3▮
```

5 SET

```
SUBNET MASK
▮
```

To continue setting other parameters, or press STOP to return to standby.

NOTE

1. *To scroll the display to desired User Parameter in Step 3, press ▼ or ▲.*
2. *The above IP Address fields require an entry to continue. If you wish to erase any of the above IP Addresses (leave it Blank) and continue to the next Step, press CLEAR, then enter "0.0.0.0" and press SET. Other IP Addresses do not require an entry to continue, just press CLEAR and press SET to proceed.*
3. *If the DNS Server is not available, change the setting of the Fax Parameter No. 161 (DNS Server) to "Invalid", then enter the IP Address instead.*
4. *For convenience, you can use * to enter a period "." while programming IP Addresses only. Otherwise * is used to enter an asterisk in other condition.*

Setting the User Parameters for the LAN Interface

Depending on how your machine will be configured to communicate on the LAN, the appropriate parameters listed in the table below must be stored first. (See pages 12 to 16)

	Parameter	Comments
1	DATE & TIME	Current Date and Time.
2	LOGO	Up to 25 characters & digits.
3	CHARACTER ID	Up to 16 characters & digits.
4	ID NO.	Your Fax Telephone Number. (Up to 20 digits)
5	TIME ZONE	The Time Zone is required as part of the Email header information when sending Internet faxes.
6	MAC ADDRESS	Hardware Address hard-coded into your machine. (If required, can be obtained from the 2nd page of the Fax Parameter List printout, by pressing. [FUNCTION] [6] [4] [SET])
7*	IP ADDRESS	IP Address assigned to your machine.
8*	SUBNET MASK	Subnet Mask assigned by the Network Administrator.
9*	SMTP SERVER NAME	The name of the SMTP Mail Server. (Up to 60 characters)
10*	SMTP SERVER IP ADDR	IP Address of the SMTP Mail Server.
11*	DEF. ROUTER IP ADDR	IP Address of your Default Router.
12*	EMAIL ADDRESS	The Email Address assigned to your machine for sending and receiving. (Up to 60 characters)
13*	DNS SERVER IP ADDRESS	IP Address of the DNS Server. If the DNS Server is not available, change the setting of the Fax Parameter No. 161 (DNS Server) to "Invalid", then enter the IP Address instead.
14*	POP SERVER NAME	Name of the POP Mail Server.
15*	POP SERVER IP ADDR	IP Address of the POP Mail Server.
16*	POP USER NAME	User Name assigned to your machine. (Up to 40 characters)
17*	POP PASSWORD	Password assigned to your machine. (Up to 10 characters)
18*	HOST NAME	The Host Name assigned to your machine. (Up to 60 characters)
19	DEFAULT SUBJECT	The default information to be added to the Subject Line for all outgoing Email (up to 40 characters). To manually input this information before transmission, change the Fax Parameter No. 159 (SUBJECT LINE ENTRY) to "2:Valid".
20	DEFAULT DOMAIN	When the outgoing email address is incomplete by SMTP standards, the Frequently Sent Domain specified here will be automatically added to the email address. This feature is also useful as a shortcut when manually entering email addresses to a frequently used Domain. (Up to 50 characters)
21	SELECTABLE DOMAINS (01) ~ (10)	Enter up to 10 Domain Names that can be selected after the Domain "@" key is pressed using the "\/ or /\" key during Manual email addressing. (Up to 30 characters)
22	REMOTE PASSWORD	This is a security password that allows Remote Programming of the Internet Parameters and Auto Dialler or the retrieval of the Journal via an Email. (Up to 10 characters)
23	RELAY XMT PASSWORD	A password that provides Network security for your Relay Station (used exclusively for G3 relay purposes). (Up to 10 characters)
24	MANAGER'S EMAIL ADDR	Department Manager's Email Address for notification of all Internet relayed transmissions for supervision and cost control purposes. (Up to 60 characters)
25	RELAY DOMAIN (01) ~ (10)	Enter up to 10 Domain Name(s) that have been authorized to access your Internet Fax for Relayed XMT Request. (Up to 30 characters) Relay Domain, a.k.a. Domain Name in the DX-1000/2000.

* Contact your Network Administrator for this Information.

Using Email to Program or Retrieve Parameters

This feature is a powerful tool, which provides a convenient and easy way of retrieving or programming Internet Parameters, One-Touch, ABBR Dialling Numbers, Program keys and Journal retrieval from your PC by sending a text email message to your machine.
Using your email application's "Subject:" line as a command-input field, you can request your machine to perform the following commands:

	"Subject:" Line Command	Function
1	#set parameters(password)#	Programs the Internet Parameters
2	#get parameters(password)#	Retrieves the Internet Parameters
3	#set abbr(password)#	Programs the Auto Dialler
4	#get abbr(password)#	Retrieves the Auto Dialler Data
5	#get jnl(password)#	Retrieves the current Journal data

Where: "set" is used to program the data
"get" is used to retrieve the data
"parameters" represents Internet Parameters
"abbr" represents Auto Dialler
"jnl" represents Journal
"password" is the Remote Password programmed in your machine's User Parameters (i.e. 123456789). Must be enclosed within the parenthesis "( )".
The command must be enclosed within the hash (#) signs.

Using a PC to Input the Internet Parameters Remotely

This feature provides a convenient and an easy way to input the Internet Parameters right from your PC by sending a text email message to your machine.
The following parameters can be input remotely via a PC. The other parameters must be entered from the machine in the User Parameters. (See page 25)
• Sender Selection (up to 24 User Names, see page 85)
• Default Domain
• Selectable Domains (up to 10 additional Domain Names)
• Remote Password
• Manager's Email Address
• Relay XMT Password
• Relay Domain (up to 10 Domain Names authorized for Relay XMT Request)
Your machine interprets the command that you enter in the "Subject" line of your email message and performs one of the following functions, it Retrieves or Stores data into the Internet Parameters (User Parameters).
The two types of commands that can be entered in the "Subject" line of your email:

1) To Store data, type : **#set parameters(password)#** : where the "password" is the Remote Password programmed in your machine's User Parameters (i.e. 123456789).
You can enter the Internet Parameters shown above with this command the first time. However, if these fields already contain data, do not use this command as the existing information will be deleted and overwritten. Use the Retrieve command below instead, refer to pages 30 to 34.

2) To Retrieve data, type : **#get parameters(123456789)#**

NOTE

1. *To activate this feature, change the Fax Parameter No. 158 (PC REMOTE UPDATE) to "Valid". (See page 57)*

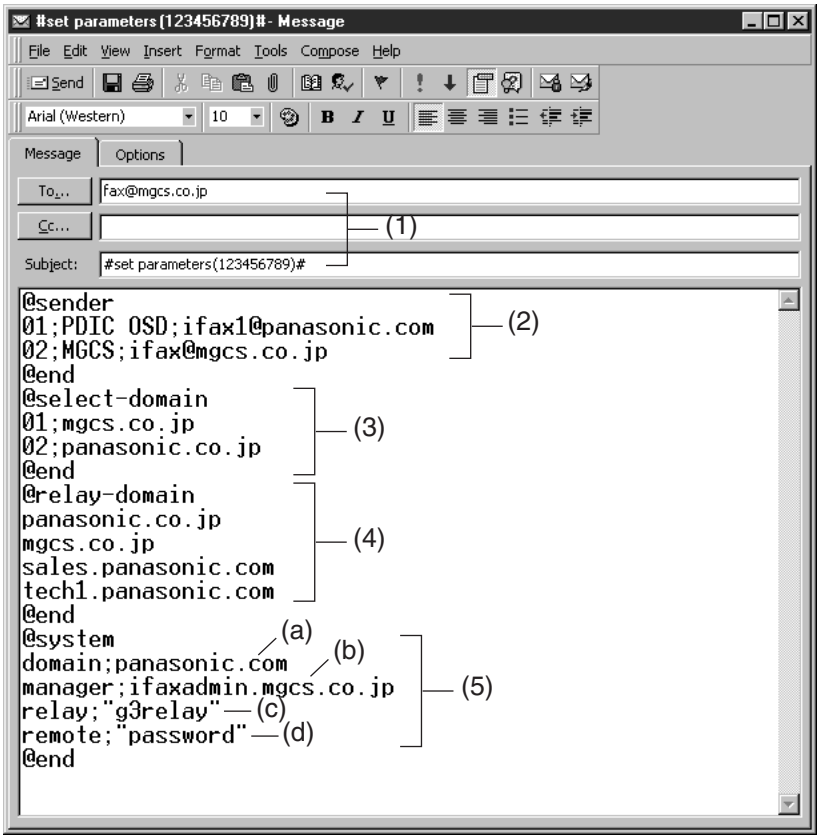
To Input the Internet Parameters for the First Time

Create a script in the message body of a plain text email and send it to your machine's email address. The "Subject" line of the email must be as follows:

#set parameters(password)# : where the "password" is the Remote Password programmed in your machine's User Parameters. For security, always input a Remote Password in the User Parameters. [If it was not programmed, signify with "()" (i.e. #set parameters()#) and assign one now].

Important : Do not use the above command if these fields already contain data, the existing information will be deleted and overwritten. Retrieve and backup the existing data onto your PC first by following the procedures for Retrieving and Editing the Internet Parameters on pages 30 to 34.

The script sample to input the Internet Parameters is shown below.



To Input the Internet Parameters for the First Time

Explanation of Contents

(1)	To	:	Your machine's email address.
	From	:	This field is normally not visible when creating new email message(s). It is your default email address (email application), for retrieving the Internet Parameters and for error message notification. (Can be programmed with the configuration tool of your email program.)
	Subject	:	To Store data, type: #set parameters(password)#
(2)	@sender to @end	:	Defines the Sender information to be set in section (2) between @sender to @end block. Register up to 24 User Names and their Email Addresses for the Sender Selection feature (See page 85). Separate each data field with a semicolon (;). (If the remaining fields are to remain blank, insert a semicolon (;) for each blank field) The data string for each Sender Selection should be defined within a single line. The syntax is: <Sender Selection Number>;<User Name>;<Email Address> (a) 01 to 24: Indicates the Sender Selection Numbers (b) User Name (25-characters maximum) (c) Email Address (60-characters maximum)
(3)	@select-domain to @end	:	Defines the Selectable Domains to be set in section (3) between @select-domain to @end block. Register up to 10 Domain Names that can be selected during manual email addressing. (30-characters maximum) The syntax is: <Number>;<Domain>
(4)	@relay-domain to @end	:	Defines the Domain Names to be set in section (4) between @relay-domain to @end block. Register up to 10 Domain Names that have been authorized to access your Internet Fax for Relayed XMT Request. (30-characters maximum)
(5)	@system to @end	:	Defines the Internet Parameters to be set in section (5) between @system to @end block. Register the following Internet Parameters. (a) Default Domain (30-characters maximum). The syntax is: domain; <Default domain name> (b) Manager's Email Address (60-characters maximum). The syntax is: manager; <Manager's Email Address> (c) Relay XMT Password (10-characters maximum). The syntax is: relay; <Relay XMT Password>. Quotation marks " " enclosing the password, are required, as shown in the example above. (d) Remote Password (10-characters maximum). The syntax is: remote; <Remote Password>. Quotation marks " " enclosing the password, are required, as shown in the example above.

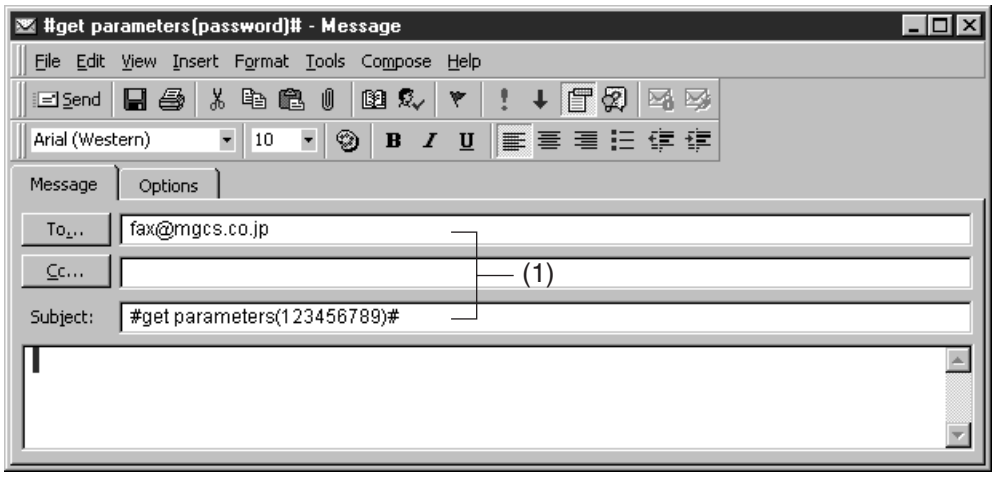
NOTE

1. *The machine cannot be programmed via email while it is communicating or printing.*
2. *Some email applications automatically insert a line feed in the middle of a line when the number of characters in a line exceed a specific number. Turn "Off" the automatic line feed, or define the number of characters per line to prevent a line feed, or the data will be ignored.*

To Retrieve the Internet Parameters for Backup

To retrieve the existing Internet Parameters, send a plain text email to your machine's email address with the following command in the "Subject" line:

#get parameters(password)# : where the "password" is the Remote Password programmed in your machine's User Parameters (i.e. 123456789). For security, always input a Remote Password in the User Parameters. If it was not programmed, signify with "()" (i.e. #get parameters()#).
Make sure that the CC..., Bcc... lines and the body of the email message is Blank.



(1) To : Your machine's email address.

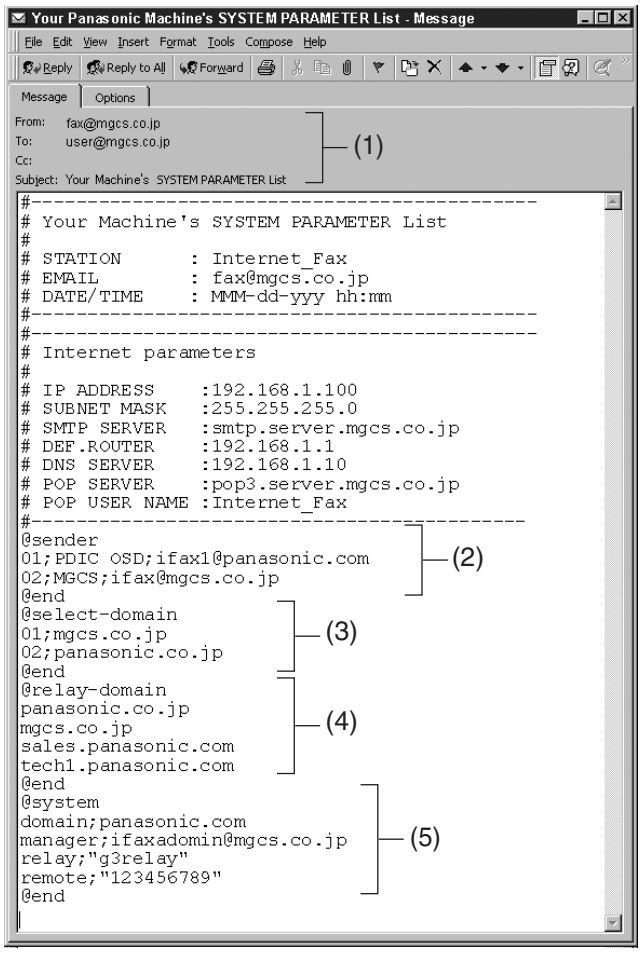
From : This field is normally not visible when creating new email message(s).
It is your default email address (email application), for retrieving the Internet Parameters and for error message notification.
(Can be programmed with the configuration tool of your email program.)

Subject : To Retrieve data, type: #get parameters(password)#

To Retrieve the Internet Parameters for Backup

After receiving the email message requesting the Internet Parameters, your machine sends back an email to the address specified in the "From:" line with the Internet Parameters in the body of the email.

Your Machine's Internet Parameters Email Sample



(1) To : Your email address that was used to retrieve the Internet Parameters.
From : Your machine's email address.
Subject : Your machine's System Parameter List

(2) @sender to @end : Defines up to 24 User Names and their Email Addresses programmed in your machine for the Sender Selection in section (2) between @sender to @end block.

(3) @select-domain to @end : Defines up to 10 alternate Domain Names programmed in your machine for the Selectable Domains in section (3) between @select-domain to @end block.

(4) @relay-domain to @end : Defines up to 10 Domain Names programmed in your machine that have been authorized to access your Internet Fax for Relayed XMT Request in section (4) between @relay-domain to @end block.

(5) @system to @end : Defines the following Internet Parameters programmed in your machine in section (5) Between @system to @end block.
(a) Default Domain
(b) Manager's Email Address
(c) Relay XMT Password
(d) Remote Password

To Edit the Retrieved or Backup Internet Parameters File

After receiving your machine email with the Internet Parameters, store the email file as text (.txt) on your PC for backup purposes.

To change or update the Internet Parameters, follow the Steps below:

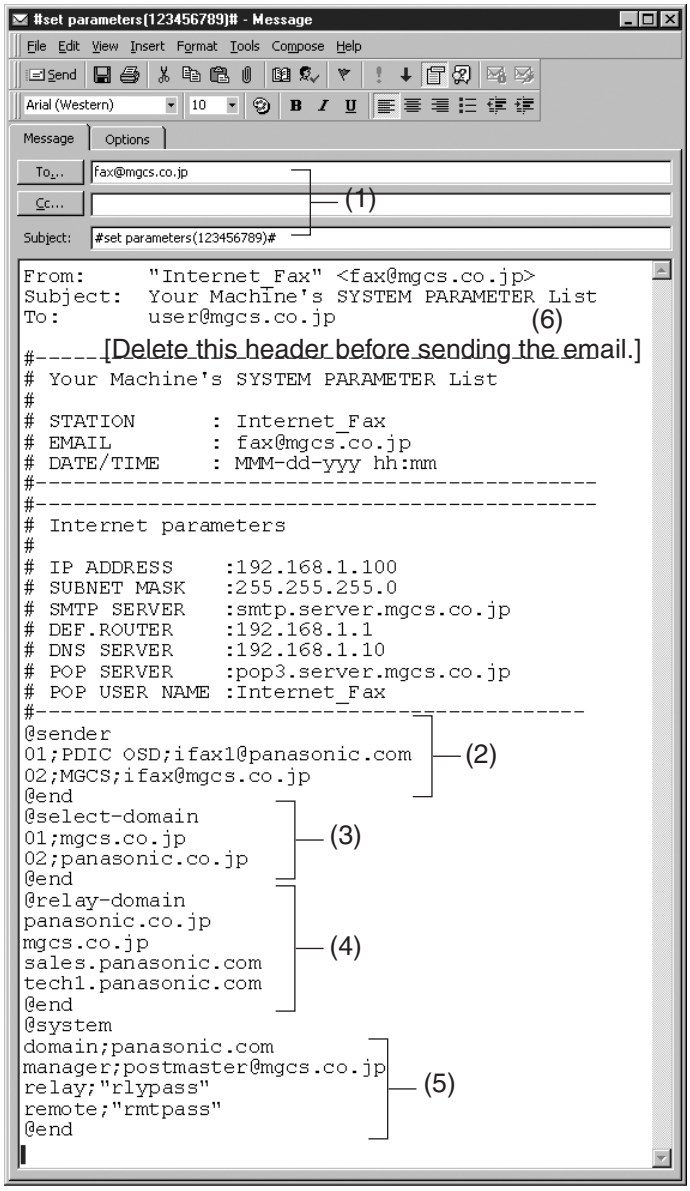
1. Create a New Email Message, fill out the "To" and "From" Address line and the Subject line information for section (1) below:

To	:	Your machine's email address.
From	:	This field is normally not visible when creating new email message(s). It is your default email address (email application), for retrieving the Internet Parameters and for error message notification.
Subject	:	To Store data, type: #set parameters(password)#

2. Open the backup, Internet Parameter text file. Copy the body text and paste it on the body of the newly created email message.
3. Delete any headers that may be present in the body of the email, as unsupported data will be rejected. The information following the "#" sign is ignored by your machine.
4. Edit a parameter and/or add additional Sender Name(s) or Domain Name(s).
5. When finished, use the "File/Save as..." command and save the updated file with ".txt" extension as a backup.
6. Send the email message to your machine to update the Internet Parameters.

To Edit the Retrieved or Backup Internet Parameters File

Your Machine's Internet Parameters Email Sample



Continued on the next page...

To Edit the Retrieved or Backup Internet Parameters File

Explanation of Contents

(1)	To	:	Your machine's email address.
	From	:	This field is normally not visible when creating new email message(s). It is your default email address (email application), for retrieving the Internet Parameters and for error message notification. (Can be programmed with the configuration tool of your email program.)
	Subject	:	To Store data, type: #set parameters(password)#
(2)	@sender to @end	:	Defines the Sender information to be set in section (2) between @sender to @end block. Edit, Delete or Register up to 24 User Names and their Email Addresses for the Sender Selection feature (See page 85). Separate each data field with a semicolon (;). (If the remaining fields are to remain blank, insert a semicolon (;) for each blank field) The data string for each Sender Selection should be defined within a single line. The syntax is: <Sender Selection Number>;<User Name>;<Email Address> (a) 01 to 24: Indicates the Sender Selection Numbers (b) User Name (25-characters maximum) (c) Email Address (60-characters maximum)
(3)	@select-domain to @end	:	Defines the Selectable Domains to be set in section (3) between @select-domain to @end block. Register up to 10 alternate Domain Names that can be selected during manual email addressing. (30-characters maximum) The syntax is: <Number>;<Domain>
(4)	@relay-domain to @end	:	Defines the Domain Names to be set in section (4) between @relay-domain to @end block. Register up to 10 Domain Names that have been authorized to access your Internet Fax for Relayed XMT Request. (30-characters maximum)
(5)	@system to @end	:	Defines the Internet Parameters to be set in section (5) between @system to @end block. Register the following Internet Parameters. (a) Default Domain (30-characters maximum). The syntax is: domain; <Default domain name> (b) Manager's Email Address (60-characters maximum). The syntax is: manager; <Manager's Email Address> (c) Relay XMT Password (10-characters maximum). The syntax is: relay; <Relay XMT Password>. Quotation marks " " enclosing the password, are required, as shown in the example above. (d) Remote Password (10-characters maximum). The syntax is: remote; <Remote Password>. Quotation marks " " enclosing the password, are required, as shown in the example above. (Notice that for the above example, we have changed the Manager's Email Address, Relay XMT Password and the Remote Password)
(6)		:	This header must be deleted before the email is sent to your machine for reprogramming of Internet Parameters. The information following the "#" sign is ignored by your machine, therefore, you can leave it as is or delete it if you wish.

Using a PC to Update the Auto Dialler Remotely

This feature provides a convenient and an easy way to Update, Backup or Restore the Phone Book dialling numbers right from your PC by sending a text email message to your machine.

Your machine interprets the command that you enter in the "Subject" line of your email message and performs one of the following functions, it Retrieves or Stores data into the Auto Dialler (Phone Book).

The two types of commands that can be entered in the "Subject" line of your email:

1) To Store data, type : **#set abbr(password)#** : where the "password" is the Remote Password programmed in your machine's User Parameters (i.e. 123456789).
You can program any known unused Auto Dialler location(s) with this command for the first time, without having to Retrieve the Phone Book data first. If the desired Auto Dialler location already contains data, your machine will overwrite the existing data, therefore, we recommend that you use the Retrieve command below instead.
To edit existing Auto Dialler locations, refer to pages 41 to 42.

2) To Retrieve data, type : **#get abbr(123456789)#**

NOTE

1. *To activate this feature, change the Fax Parameter No. 158 (PC REMOTE UPDATE) to "Valid". (See page 57)*

Deleting the Entire Auto Dialler

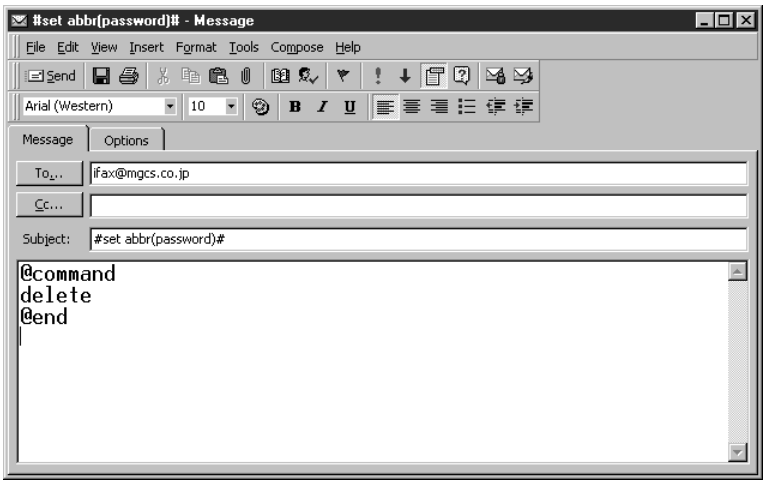
If you wish to delete the entire Auto Dialler data in your machine, type the following command in the body of the email message:

@command
delete
@end

This command can also be inserted before the @begin to @end block, to erase the entire Auto Dialler data first, then reprogramming it with new data.
This method will also prevent the "Overwrite Warning Message" that is sent back from your machine, when the current Auto Dialler station is overwritten.

To erase the entire Auto Dialler data, type the following command in the "Subject" line of your email:

#set abbr(password)# : where the password is the Remote Password programmed in your machine's User Parameters.
Retrieve and backup the existing data onto your PC first by following the procedures for Retrieving and Editing on pages 39 to 42.



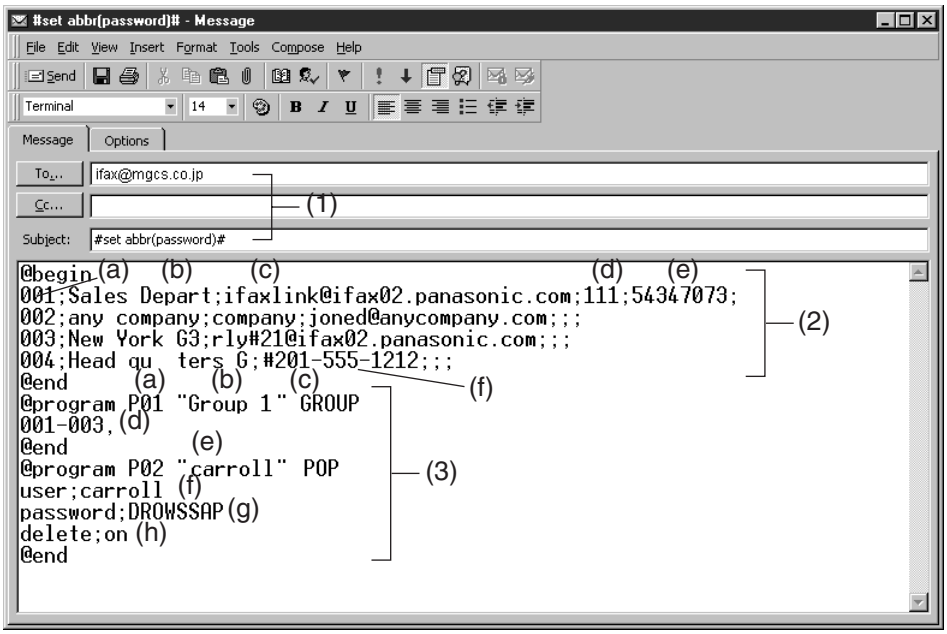
To Program One-Touch/ABBR. No. for the First Time

Create a script in the message body of a plain text email and send it to your machine's email address. The "Subject" line of the email must be as follows:

#set abbr(password)# : where the password is the Remote Password programmed in your machine's User Parameters.

The script sample to program the One-Touch/ABBR. No. for the first time is shown in the illustration below:

First Time Remote Programming of One-Touch/ABBR. No. Sample



Continued on the next page...

To Program One-Touch/ABBR. No. for the First Time

Explanation of Contents

(1) To : Your machine's email address.

From : This field is normally not visible when creating new email message(s).
It is your default email address (email application), for retrieving the Phone Book data and for error message notification.
(Can be programmed with the configuration tool of your email program.)

Subject : To Store data, type: #set abbr(password)#
To Retrieve data, type: #get abbr(password)#

(2) @begin to @end block : Defines the data to be set into Phone Book between @begin to @end block.
Separate each data field with a semicolon (;). (If the remaining fields are to remain blank, insert a semicolon (;) for each blank field)
The data string for each station should be defined within a single line.

(a) Entry-number: One-Touch, ABBR. No. or Program Keys to be programmed
001 to 100: indicates ABBR. No.s 001 to 100 (100 stations maximum)
1001 to 1058: indicates One-Touch numbers from 01 to 58
2001 to 2008: indicates Program Keys (P1 to P8 programmed as One-Touch dialling number)

(b) Station-name: Name of the station being programmed (15 alpha-numeric characters maximum)

(c) Station-address: email address or telephone number of the station being programmed

(d) Routing-subaddress: sub-address to be used for routing (20-digit maximum)

(e) Routing-id-number: TSI to be used for routing (20-digit maximum)

(f) The End Receiving Station's telephone number is entered after the hash sign (#)

(3) @program to @end : Defines the data to be set into Program Keys as a Group Key or POP Access Key between @program to @end block.

(a) Program Key: P01 - P08

(b) Station-name as a Group Key: Name of the station being programmed (15 alpha-numeric characters maximum)

(c) GROUP: The syntax used to set the Program Key as a Group Key

(d) Entry-number: One-Touch, ABBR. No. or Program Keys to be programmed
001 to 100: indicates ABBR. No.s 001 to 100 (100 stations maximum)
1001 to 1058: indicates One-Touch numbers from 01 to 58
2001 to 2008: indicates Program Keys (P1 to P8 programmed as One-Touch dialling number)

(e) POP: The syntax used to set the Program Key as a POP Access Key

(f) POP User-name: Name of the station being programmed (40 alpha-numeric characters maximum)

(g) POP Password: POP Password (10 alpha-numeric characters maximum)

(h) Set whether the emails on the POP Server are deleted after retrieving the emails.

NOTE

1. *If a POP user account is programmed into the P1 to P8 program keys, the data programmed for this key cannot be deleted, even when the delete command is specified.*
2. *The email address and the telephone number cannot be programmed via email when:*
   •One-Touch Number has been used for communication reservation.
   •Received documents are stored in the image data memory of the machine.
   •While the machine is communicating or printing.
3. *When the email address and telephone number are programmed via email, a program result email is sent back.*
4. *Some email applications automatically insert a line feed in the middle of a line when the number of characters in a line exceed a specific number. Turn "Off" the automatic line feed, or define the number of characters per line to prevent a line feed, or the data will be ignored.*

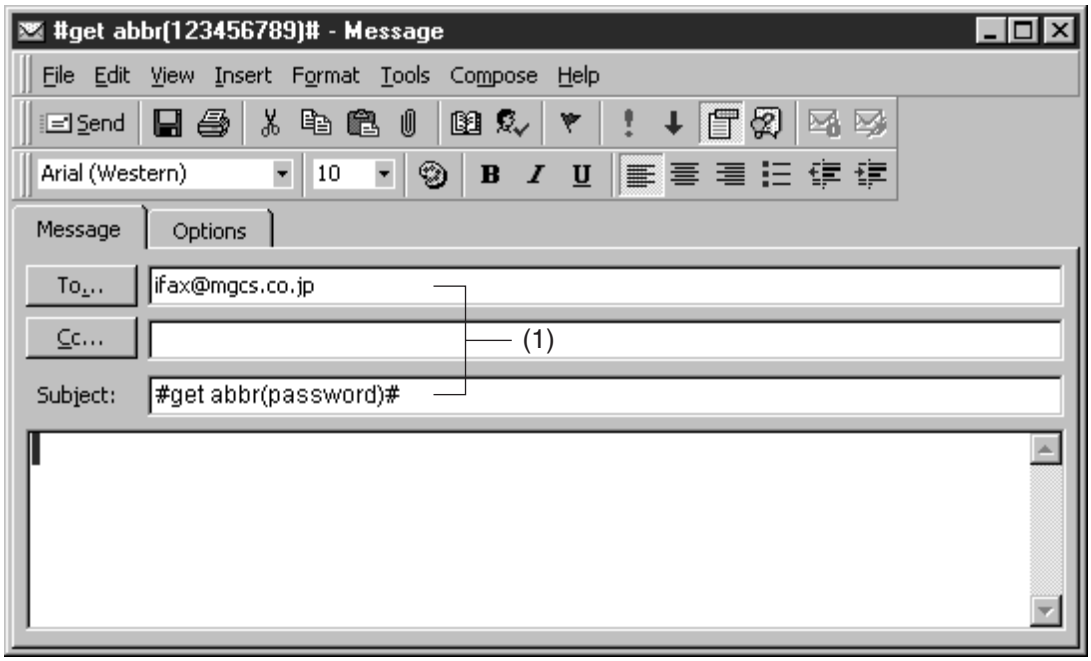
To Retrieve One-Touch/ABBR. No. Data for Backup

To retrieve the existing auto dialler data, send a plain text email to your machine's email address with the following command in the "Subject" line:

#get abbr(password)# : where the "password" is the Remote Password programmed in your machine's User Parameters (i.e. 123456789).

Make sure that the Cc, Bcc lines and the body of the email message is Blank.

Retrieving One-Touch/ABBR. No. Data Sample



(1) To : Your machine's email address.

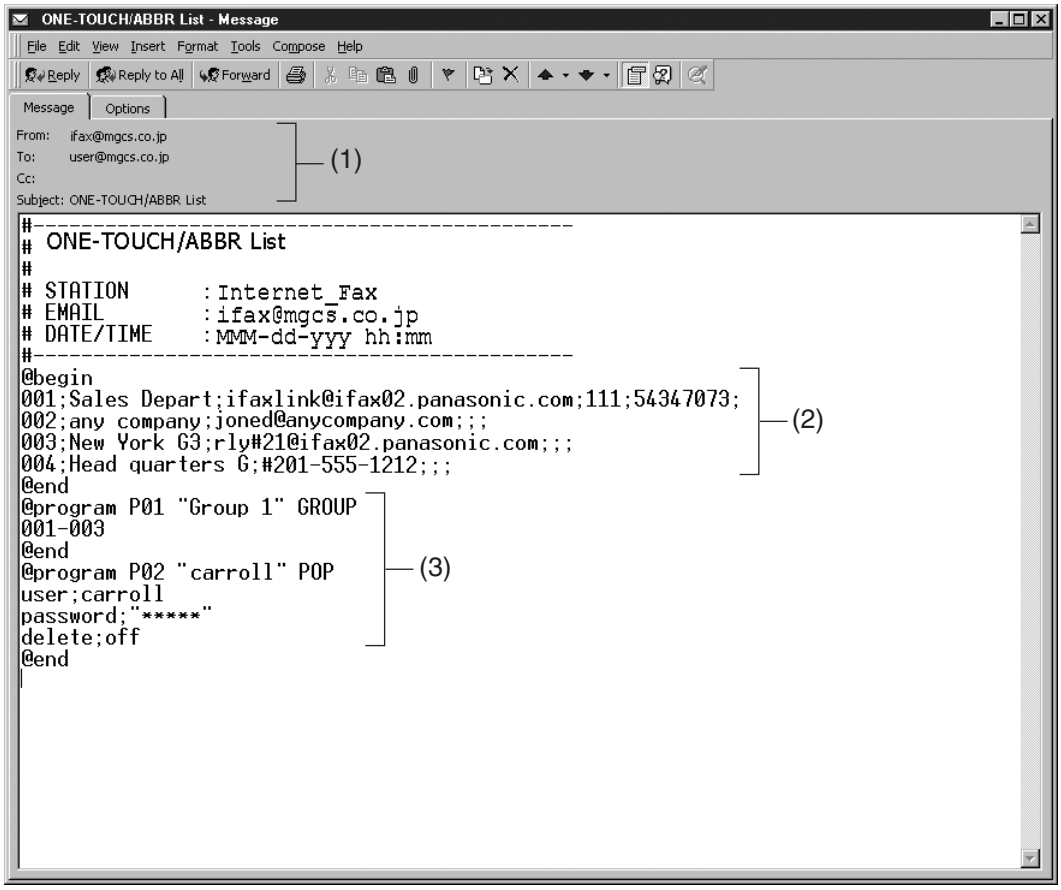
From : This field is normally not visible when creating new email message(s).
It is your default email address (email application), for retrieving the One-Touch/ABBR. No. data and for error message notification.
(Can be programmed with the configuration tool of your email program.)

Subject : To Retrieve data, type: #get abbr(password)#

To Retrieve One-Touch/ABBR. No. Data for Backup

After receiving the email message requesting the existing auto dialler data, your machine sends back an email to the address specified in the "From:" line with the auto dialler information in the body of the email.

Your Machine's Auto Dialler Email Sample



(1)	To	:	Your email address that was used to retrieve the Auto Dialler data.
	From	:	Your machine's email address.
	Subject	:	ONE-TOUCH ABBR. List
(2)	@begin to @end block	:	Defines One-Touch Keys, Abbreviated Dialling Numbers and Program Keys stored as a One-Touch Key programmed in your machine in section (2) between @begin to @end block.
(3)	@program to @end	:	Defines Program Keys stored as a Group Key or POP Access Key programmed in your machine in section (3) between @program to @end block.

To Edit the Retrieved or Backup One-Touch/ABBR. No. Data File

After receiving your machine email with the auto dialler data, store the email file as text (.txt) on your PC for backup purposes.

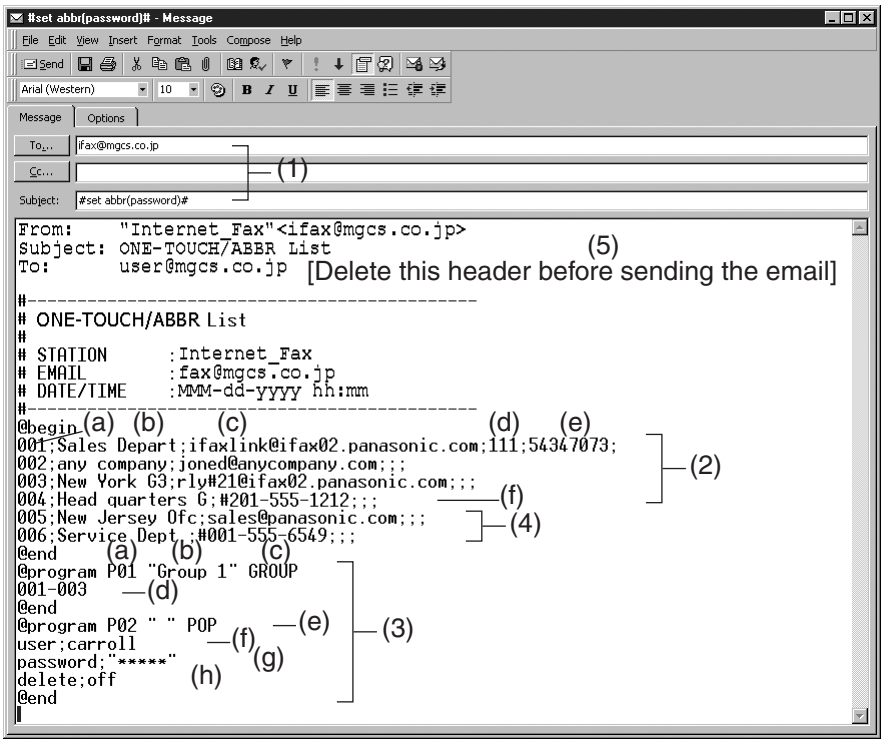
To change or update the auto dialler, follow the Steps below:

1. Create a New Email Message, fill out the "To" and "From" Address line and the Subject line information for section (1) below:

To	:	Your machine's email address.
From	:	This field is normally not visible when creating new email message(s). It is your default email address (email application), for retrieving the One-Touch/ABBR. No. data and for error message notification.
Subject	:	To Store data, type: #set abbr(password)#

2. Open the backup, auto dialler text file. Copy the body text and paste it on the body of the newly created email message.
3. Delete any headers that may be present in the body of the email, as unsupported data will be rejected. The information following the "#" sign is ignored by your machine.
4. Edit and/or add additional One-Touch/ABBR. No. stations.
5. When finished, use the "File/Save as..." command and save the updated file with ".txt" extension as a backup.
6. Send the email message to your machine to update the auto dialler.

Your Machine's Auto Dialler Email Sample



Continued on the next page...

To Edit the Retrieved or Backup One-Touch/ABBR. No. Data File

Explanation of Contents

(1) To : Your machine's email address.

From : This field is normally not visible when creating new email message(s).
It is your default email address (email application), for retrieving the One-Touch/ABBR. No. data and for error message notification.
(Can be programmed with the configuration tool of your email program.)

Subject : To Store data, type: #set abbr(password)#

(2) @begin to @end block : Defines the One-Touch Keys, Abbreviated Dialling Numbers and Program Keys stored as a One-Touch Key to be set in section (3) between @begin to @end block.
Edit, Delete or Register the information.
Separate each data field with a semicolon (;). (If the remaining fields are to remain blank, insert a semicolon (;) for each blank field)
The data string for each station should be defined within a single line.
The syntax is: <Entry-number>; <Station-name>; <Station-address>; <Routing-subaddress>; <Routing-id-number>

(a) Entry-number: One-Touch, ABBR. No. or Program Keys to be programmed
  001 to 100: indicates ABBR. No.s 001 to 100 (100 stations maximum)
  1001 to 1058: indicates One-Touch numbers from 01 to 58
  2001 to 2008: indicates Program Keys (P1 to P8 programmed as One-Touch dialling number)

(b) Station-name: Name of the station being programmed (15 alpha-numeric characters maximum)

(c) Station-address: email address or telephone number of the station being programmed

(d) Routing-subaddress: sub-address to be used for routing (20-digit maximum)

(e) Routing-id-number: TSI to be used for routing (20-digit maximum)

(f) The End Receiving Station's telephone number is entered after the hash sign (#)

(3) @program to @end : Defines the Program Keys stored as a Group Key or POP Access Key to be set in section (4) between @program to @end block.
Edit, Delete or Register the information.

(a) Program Key: P01 - P08

(b) Station-name as a Group Key: Name of the station being programmed (15 alpha-numeric characters maximum)

(c) GROUP: The syntax used to set the Program Key as a Group Key

(d) Entry-number: One-Touch, ABBR. No. to be programmed
  001 to 100: indicates ABBR. No.s 001 to 100 (100 stations maximum)
  1001 to 1058: indicates One-Touch numbers from 01 to 58
  2001 to 2008: indicates Program Keys (P1 to P8 programmed as One-Touch dialling number)

(e) POP: The syntax used to set the Program Key as a POP Access Key

(f) POP User-name: Name of the POP user account (40 alpha-numeric characters maximum)

(g) POP Password: POP Password (10 alpha-numeric characters maximum)

(h) Set whether the emails on the POP Server are deleted after retrieving the emails.

(4) These 2 One-Touch/ABBR. No. stations were added to the list.

(5) This header must be deleted before the email is sent to your machine for reprogramming of One-Touch/ABBR. No. The information following the "#" sign is ignored by your machine, therefore, you can leave it as is or delete it if you wish.

Using Email to Retrieve the Journal

To retrieve the existing Journal data, send an email to your machine's email address with the following command in the "Subject" line:

#get jnl(password)# : where the "password" is the Remote Password programmed in your machine's User Parameters (i.e. 123456789).

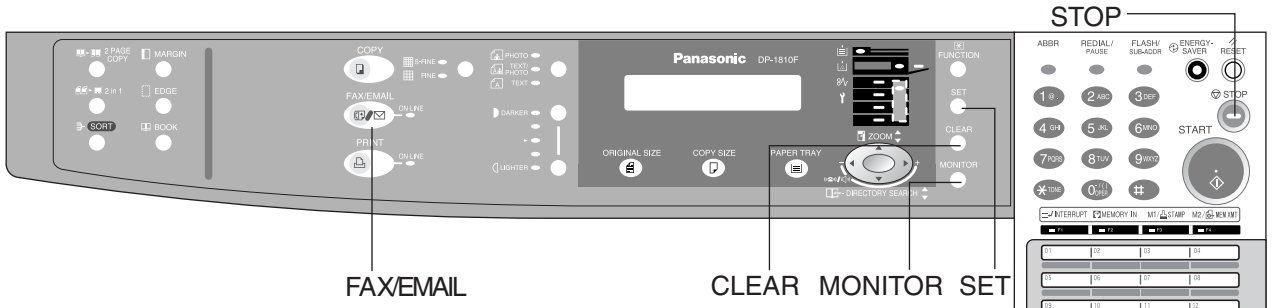
The Journal will be send back to the originating station's email address.
After receiving the journal, use a fixed width font (i.e. Courier), in order to align the received journal's contents on the PC.
A separate email message is sent by your machine, an "Internet Fax Return Receipt" to the Manager's email address programmed in the User Parameters, informing of the Journal transfer.

NOTE

1. *To activate this feature, change the Fax Parameter No. 158 (PC REMOTE UPDATE) to "Valid". (See page 57)*

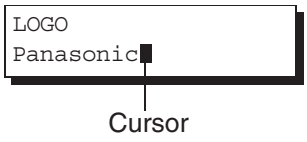
How To Enter Characters

To enter characters, numbers or symbols follow the Steps below.



- Use ⓪ to ⑨ on the keypad to enter characters and symbols. The keypad assignment for the characters and symbols is shown below. The " ①@. " key is also used to enter a period "." during email or IP address input.

Ex: LOGO



To enter "Panasonic"

Character	Keypad	Key Strokes
P	7	1
a	2	5
n	6	6
a	2	5
s	7	9
o	6	7
n	6	6
i	4	7
c	2	7

SET

	Characters and number of key strokes													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
①	@ . (Å å Ä ä Ö ö Ü ü È è É é Æ æ Ñ) 1													
②	A (a)	B (b)	C (c)	2	a (A)	b (B)	c (C)							
③	D (d)	E (e)	F (f)	3	d (D)	e (E)	f (F)							
④	G (g)	H (h)	I (i)	4	g (G)	h (H)	i (I)							
⑤	J (j)	K (k)	L (l)	5	j (J)	k (K)	l (L)							
⑥	M (m)	N (n)	O (o)	6	m (M)	n (N)	o O)							
⑦	P (p)	Q (q)	R (r)	S (s)	7	p (P)	q (Q)	r (R)	s (S)					
⑧	T (t)	U (u)	V (v)	8	t (T)	u (U)	v (V)							
⑨	W (w)	X (x)	Y (y)	Z (z)	9	w (W)	x (X)	y (Y)	z (Z)					
⓪ -/()	-	/	(	)	_	(,)	’	:	&	+	=	0		

- Select and continue pressing the appropriate key on the keypad until the desired Character / Symbol is displayed, then select another key on the keypad to enter the next Characters / Symbols. If the next Character / Symbol that you wish to enter falls on the same key, press ▶ , to set the first Character / Symbol first before continuing. Press SET to complete the registration.

Ex: To input an "o" and "n", the ⑥ key is used for both Characters.
Enter as follows: ⑥ × 7 ▶ ⑥ × 6 SET

- To delete a Character / Symbol, press CLEAR/STOP
- To enter a space, press MONITOR
- (Bracket characters) are not indicated when entering the email address.

Programming the Auto Dialler

One-Touch and Abbreviated dialling / Email addressing are two fast ways of dialling full telephone numbers or email addresses. To use these dialling or addressing methods, you must first store the telephone numbers or email addresses into the Auto Dialler.

To program the One-Touch key, follow the Steps below

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

1 FUNCTION 7PQRS

```
SET MODE        (1-4)
ENTER NO. OR ∨ ∧
```

2 2ABC SET

```
1:ONE-TOUCH
2:ABBR NO.
```

3 1@.

```
ONE-TOUCH<  >
PRESS ONE-TOUCH
```

4 **Ex:** 01

```
<01>
ENTER EMAIL ADDRESS
```

or

To change the input mode (between "ENTER EMAIL ADDRESS" and "ENTER TEL. NO."), press FAX/EMAIL.

```
<01>
ENTER TEL. NO.
```

5 Enter the email address (up to 60 characters) by using the keypad. (See page 44)

Ex: a b c @ p a n a s o n i c . c o m

```
<01>
abc@panasonic.com
```

or

or

Enter the telephone number
(up to 36 digits including pauses and spaces).

Ex: 9 PAUSE 5 5 5 MONITOR 1 2 3 4

```
<01>
9-555 1234
```

6 SET

```
<01>ENTER NAME
abc@panasonic.com
```

or

```
<01>ENTER NAME
9-555 1234
```

Continued on the next page...

Programming the Auto Dialler

7 Enter the station name (up to 15 characters) by using the keypad. (See page 44)

Ex: [S][A][L][E][S] [MONITOR] [D][E][P][T]

```
<01> SALES DEPT
abc@panasonic.com
```

or

```
<01> SALES DEPT
9-555 1234
```

8


```
ONE-TOUCH<  >
PRESS ONE-TOUCH
```

To record another number, repeat Steps 4 to 8.

To return to standby, press [STOP].

Programming the Auto Dialler

To program the ABBR. dialling number or email address

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

1 FUNCTION 7PQRS

```
SET MODE        (1-4)
ENTER NO. OR ∨ ∧
```

2 2ABC SET

```
1:ONE-TOUCH
2:ABBR NO.
```

3 2ABC

```
ABBR[■   ]
ENTER ABBR NO.
```

4 **Ex:** 0 2 2 (001 to 100, up to 100 stations)

```
[022]
ENTER EMAIL ADDRESS
```

or

To change the input mode (between "ENTER EMAIL ADDRESS" and "ENTER TEL. NO."), press FAX/EMAIL .

```
[022]
ENTER TEL. NO.
```

5 Enter the email address (up to 60 characters) by using the keypad. (See page 44)

Ex: a b c @ p a n a s o n i c . c o m

```
[022]
abc@panasonic.com■
```

or

or

Enter the telephone number (up to 36 digits including pauses and spaces).

Ex: 9 PAUSE 5 5 5 MONITOR 2 3 4 5

```
[022]
9-555 2345■
```

6 SET

```
[022]ENTER NAME
abc@panasonic.com
```

or

```
[022]ENTER NAME
9-555 2345
```

7 Enter the station name (up to 15 characters) by using the keypad. (See page 44)

Ex: A C C O U N T I N G

```
[022]ACCOUNTING■
abc@panasonic.com
```

or

```
[022]ACCOUNTING■
9-555 2345
```

Continued on the next page...

Programming the Auto Dialler

8 SET

```
ABBR[■   ]
ENTER ABBR NO.
```

To record another number, repeat Steps 4 to 8.

To return to standby, press STOP.

NOTE

1. *If you require a special access number to get an outside line, enter it first and then press* PAUSE*. A hyphen "-" is displayed for pause.*
2. *Use* MONITOR *to enter a space between the numbers to make it easier to read.*
3. *If you are using Pulse dialling and you wish to change to Tone dialling in the middle of dialling, press* TONE *(represented by a"/"). The dialling method will be changed from Pulse to Tone after dialling the digit "/".*
   Ex: 9 PAUSE TONE 5551234

Editing or Erasing the Auto Dialling Number / Email Address

If you have to change or erase any of the One-Touch/Abbreviated dialling numbers or email addresses, follow the Steps below.

To edit One-Touch/ABBR dialling number or email address

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

1 FUNCTION 7PQRS 2ABC SET

```
1:ONE-TOUCH
2:ABBR NO.
```

2 Select (1) for One-Touch dialling number / email address.
Select (2) for ABBR dialling number / email address.

```
ONE-TOUCH<  >
PRESS ONE-TOUCH
```

Ex: (1)

3 Enter the station you wish to change.

Ex: 01

```
<01> SALES DEPT
abc@panasonic.com
```

or

```
<01> SALES DEPT
9-555 1234
```

4 CLEAR

```
<01> SALES DEPT
ENTER EMAIL ADDRESS
```

or

```
<01> SALES DEPT
ENTER TEL. NO.
```

5 To change the input mode (between "ENTER EMAIL ADDRESS" and "ENTER TEL. NO."),
press FAX/EMAIL .

6 Enter a new email address. (See page 44)
(See Note 1 and 2)

Ex: x y z @ p a n a s o n i c . c o m

```
<01> SALES DEPT
xyz@panasonic.com
```

or

Enter a new telephone number. (See Note 1 and 2)

Ex: 9 PAUSE 5 5 5 MONITOR 3 4 5 6

```
<01> SALES DEPT
9-555 3456
```

7 SET

```
<01>SALES DEPT
xyz@panasonic.com
```

Continued on the next page...

Editing or Erasing the Auto Dialling Number / Email Address

8 CLEAR

Enter a new station name. (See page 44) (See Note 1)

Ex: P A N A F A X

<01>ENTER NAME
xyz@panasonic.com

or

<01>ENTER NAME
9-555 3456

<01> PANAFAX
xyz@panasonic.com

or

<01> PANAFAX
9-555 3456

9 SET

ONE-TOUCH< >
PRESS ONE-TOUCH

To return to standby, press STOP.

NOTE

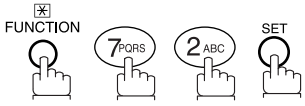
1. *If you make a mistake, use ◀ or ▶ to move the cursor one space beyond the incorrect number, press CLEAR then re-enter the new number.*
2. *If the One-Touch/Abbreviated dialling number / Email address has been used for a communication reservation, the settings cannot be changed or erased until the communication has finished.*

Editing or Erasing the Auto Dialling Number / Email Address

To erase the One-Touch/ABBR. dialling number or email address

Make sure that the FAX/EMAIL lamp is ON. If not, press

to select the "FAX/EMAIL" mode.

1 


```
1:ONE-TOUCH
2:ABBR NO.
```

2 Select (1) for One-Touch dialling number / email address.
Select (2) for ABBR dialling number / email address.

```
ONE-TOUCH<  >
PRESS ONE-TOUCH
```

Ex: (1)

3 Enter the station you wish to erase.

Ex: 01

```
<01> SALES DEPT
abc@panasonic.com
```

or

```
<01> SALES DEPT
9-555 1234
```

4


```
<01> SALES DEPT
ENTER EMAIL ADDRESS
```

or

```
<01> SALES DEPT
ENTER TEL. NO.
```

5


```
ONE-TOUCH<  >
PRESS ONE-TOUCH
```

To return to standby, press STOP.

NOTE

1. *If the One-Touch/Abbreviated dialling number / Email address has been used for a communication reservation, the settings cannot be changed or erased until the communication has finished.*

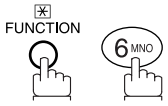
Printing Out Directory Labels

After programming the one-touch dialling numbers, you can print the Directory Labels which include the first 12 characters of each station name. Peel each printed label off the sheet and place it over its corresponding One-Touch key on the panel. To print the Directory Labels, follow the Steps below.

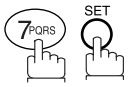
Make sure that the FAX/EMAIL lamp is ON. If not, press

to select the "FAX/EMAIL" mode.

1 Insert the Directory Label sheet (FACE UP), into the upper most drawer that is configured for A4 size paper (PORTRAIT).

2 


```
PRINT OUT       (1-7)
ENTER NO. OR ∨ ∧
```

3 


```
* PRINTING *
DIRECTORY LABEL
```

Your machine prints out the directory label.

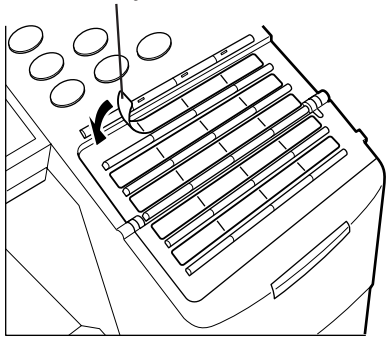
Panasonic DP-1810F Directory Labels

*** Set this label sheet in the A4 size paper drawer, FACE UP ***

01 AMERICA	02 AFRICA	03 ASIA	04 BRASIL
05 CANADA	06 JAPAN	07	08
09	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48

The labels to the left will be printed when feeding in this direction.

Directory Label



NOTE

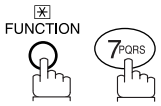
1. If attaching a new Directory Label, please remove the old one first.

General Description

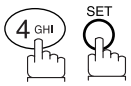
Your machine has a variety of adjustable Fax Parameters. These parameters, listed in the Parameter Table, are preset for you and do not need to be changed. If you do want to make a change, read the table carefully. Some parameters, such as the Resolution and Contrast parameters, can be temporarily changed by simple key operation just before a transmission is made. When the transmission ends, however, these parameters return to their preset values (Home position). Other parameters can only be changed by the procedure described below.

Setting the Fax Parameters

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

1 


```
SET MODE        (1-4)
ENTER NO. OR ∨ ∧
```

2 


```
FAX PARAMETER(1-164)
        NO.=
```

3 Enter Fax Parameter number from the Parameter Table. (See page 54 to 57)
Ex: ⓪ ⓪ ④ for **STAMP**

```
FAX PARAMETER(1-164)
        NO.=004
```

4


```
04 STAMP(HOME)
 1:OFF
```

5 **Ex:** ② for **ON**

```
04 STAMP(HOME)
 2:ON
```

6


```
05 MEMORY(HOME)
 2:ON
```

To set another parameter, press [CLEAR] to return to Step 3 or press [STOP] to return to standby.

NOTE

1. *To scroll the Fax Parameters in Step 2, press [▼] or [▲].*
2. *To print out a Fax Parameter List, see page 123.*

Fax Parameter Table

No.	Parameter	Setting Number	Setting	Comments
001	CONTRAST	1	Lightest	Setting the home position for the CONTRAST.
		2	Lighter	
		3	Normal	
		4	Darker	
		5	Darkest	
002	RESOLUTION	1	Standard	Setting the home position for the RESOLUTION.
		2	Fine	
		3	S-Fine	
003	ORIGINAL	1	TEXT	Setting the home position for the ORIGINAL.
		2	TEXT/ PHOTO	
		3	PHOTO	
004	STAMP	1	Off	Setting the home position for the STAMP. To select the stamp function when document is stored in memory, see Fax Parameter No. 28.
		2	On	
005	MEMORY	1	Off	Setting the home position for the MEMORY.
		2	On	
006	DIALLING METHOD	1	Pulse	Selecting the dialling method.
		2	Tone	
007	HEADER PRINT	1	Inside	Selecting the printing position of the header. **Inside** : Inside TX copy area. **Outside** : Outside TX copy area. **No print** : Header is not printed.
		2	Outside	
		3	No print	
008	HEADER FORMAT	1	Logo, ID No.	Selecting the header format.
		2	From To	
009	RCV'D TIME PRINT	1	Invalid	Selecting whether the machine prints the received date & time, remote ID, percentage of reduction and page number on the bottom of each received document.
		2	Valid	
010	KEY/BUZZER VOLUME	1	Off	Selecting the volume of the Key/Buzzer tone.
		2	Soft	
		3	Loud	
012	COMM. JOURNAL	1	Off	Selecting the home position of printout mode for COMM. Journal Off/Always/Inc. only. **Off** : Does not print **Always** : Always prints **Inc. only** : Prints only when communication has failed.
		2	Always	
		3	Inc. Only	
013	AUTO JOURNAL PRINT	1	Invalid	Selecting whether the machine prints the journal automatically after every 100 transactions.
		2	Valid	
014	FILE ACCEPTANCE REPORT	1	Invalid	Selecting whether the machine prints the file acceptance journal. If you set this parameter to valid, a journal will print out after any memory communication.
		2	Valid	
017	RECEIVE MODE	1	Manual	Setting the reception mode to automatic or manual.
		2	Auto	

Fax Parameter Table

No.	Parameter	Setting Number	Setting	Comments
022	SUBSTITUTE RCV	1	Invalid	Selecting whether the machine receives to memory when the recording paper runs out, toner runs out or the recording paper is jammed.
		2	Valid	
024	PRINT REDUCTION	1	Fixed	Selecting print reduction mode. **Fixed** :Reduce received document according to setting of Parameter No. 25. **Auto** :Reduce received document according to the length of received documents.
		2	Auto	
025	REDUCTION RATIO	70	70%	Selecting the fixed print reduction ratio from 70% to 100%. This parameter functions only when the fixed print reduction is selected on Fax Parameter No. 24.
		----	----	
		100	100%	
026	POLLING PASSWORD		(----)	Setting a 4-digit password for secured polling.
027	POLLED FILE SAVE	1	Invalid	Selecting whether the machine retains the polled document in memory even after the document is polled once.
		2	Valid	
028	STAMP AT MEM. XMT	1	Invalid	Selecting whether the machine stamps the original documents when storing the documents into memory. (depending on the Stamp setting on the Control Panel)
		2	Valid	
030	DRD SERVICE	1	Invalid	Selecting whether or not the machine is available "DRD Service". If this parameter is set to "Valid", your machine detects the specified ring pattern only to receive a document automatically.
		2	Valid	
031	INCOMPLETE FILE SAVE	1	Invalid	Selecting whether the machine retains the document in memory if the document is not successfully transmitted.
		2	Valid	
033	XMT REDUCTION	1	Invalid	Selecting whether the machine performs reduction when the transmitting original is wider than the recording paper used at the receiving machine.
		2	Valid	
037	RCV TO MEMORY		(----)	Enter a 4-digit password used to print out the received document in memory by using F8-5 (RCV TO MEMORY). When F8-5 is set to On, this parameter will not be shown on the LCD display.
038	ACCESS CODE		(----)	Enter a 4-digit Access Code to secure the machine from unauthorized use.
039	PIN CODE ACCESS	1	None	Selecting the access method (Prefix or Suffix) to dial a number with PIN Code.
		2	Suffix	
		3	Prefix	
042	CONF. POLLED FILE SAVE	1	Invalid	Selecting whether the machine saves the confidential polled file even after the file is polled once.
		2	Valid	
043	PASSWORD-XMT	1	Off	Setting a 4-digit XMT-Password and selecting whether the machine performs and checks the XMT-Password of the receiving station when transmitting.
		2	On	
044	PASSWORD-RCV	1	Off	Setting a 4-digit RCV-Password and selecting whether the machine performs and checks the RCV-Password of the transmitting station when receiving.
		2	On	
048	TELEPHONE LINE	1	PSTN	Selecting the type of line connected.
		2	PBX	
049	PSTN ACCESS CODE		(----)	Setting PSTN Access Code. (max. 4 digits)

Continued on the next page...

Fax Parameter Table

No.	Parameter	Setting Number	Setting	Comments
052	DIAGNOSTIC PASSWORD		(----)	Setting the password for Remote Diagnostic Mode. Please ask your Panasonic Authorized Dealer for details.
053	SUB-ADDRESS PASSWORD		(----)	Setting a 20-digit password for secured sub-address communication.
054	FAX FORWARD	1	Invalid	Selecting whether the machine performs Fax Forwarding to the specified destination.
		2	Valid	
057	COUNTRY CODE			Selecting the country code when installing your machine.
063	PC-FAX RCV MODE	1	Print	Selecting how the machine will execute the received Fax document(s). **Print** : Print the received document(s). **Upload & Print** : Print the received document(s) and upload it's file. **Upload** : Upload the received document file.
		2	Upload & Print	
		3	Upload	
077	DEPARTMENT CODE	1	Invalid	Selecting whether the machine performs the Department Code operation.
		2	Valid	
078	ROTATION XMT	1	Invalid	Selecting whether the machine performs rotation transmission.
		2	Valid	
082	QUICK MEMORY XMT	1	Invalid	Selecting whether the machine performs Quick Memory Transmission. **Invalid** : Stores all documents into memory first before dialling the telephone number. **Valid** : Starts dialling the telephone number immediately after storing the first page.
		2	Valid	
097	SPECIAL TRAY No.1 - 3	1	None	Select up to 3 Special Trays that will not be used for printing received faxes (4-Tray configuration). One Tray must always be available for receiving Faxes. (You can specify one Tray (1 ~ 4) for each selection No. 1, No. 2 and/or No. 3)
		2	Tray 1	
		3	Tray 2	
		4	Tray3	
		5	Tray 4	
099	MEMORY SIZE (Flash Memory)	-	-	Displays the amount of base and optional memory installed. (Base Memory + Optional Memory)
140	LAN RELAY XMT REQUEST	1	Invalid	Selecting whether the machine performs LAN Relay XMT Request.
		2	Valid	
141	LAN XMT REDUCTION	1	Invalid	Selecting whether to automatically reduce from A3 / B4 to A4, when A3 / B4 documents are transmitted via LAN. **Invalid** : No reduction **Valid** : Automatic reduction from A3 / B4 to A4
		2	Valid	
142	RELAY XMT (a.k.a. LAN RELAY STATION on UF-770i)	1	Invalid	Selecting whether the machine accepts and performs G3 relayed transmission. (Relay Station Functions)
		2	Valid	
143	RELAY XMT REPORT	1	Off	Setting how the COMM. Journal for relayed transmission is sent to the originator. **Off** : Don't send. **Always** : Always send. **Inc. Only** : Send only if communication has failed.
		2	Always	
		3	Inc. Only	
144	EMAIL CHARACTER SET	1	Japanese	Selecting the Character Set when receiving or sending email text.
		2	English	

Fax Parameter Table

No.	Parameter	Setting Number	Setting	Comments
145	SENDER SELECTION	1	Invalid	Selecting a pre-programmed sender's name and email address before each transmission.
		2	Valid	
146	POP TIMER	----	0 to 60 min.	Setting the time interval for the machine to check for email on the POP Server. (0 = Does not check the POP Server for email.)
		3		
147	AUTO POP RCV	1	Invalid	Selecting whether the machine automatically downloads an email from the POP Server.
		2	Valid	
148	DELETE POP RCV EMAIL	1	Invalid	Selecting whether the email will be deleted automatically after retrieval from the POP Server.
		2	Valid	
149	DELETE POP ERR EMAIL	1	Invalid	Selecting whether to delete the email that includes an incompatible file attachment from the POP Server.
		2	Valid	
150	IFAX RETURN RECEIPT	1	Invalid	Selecting whether to send a return receipt when receiving from another Panasonic Internet Fax.
		2	Valid	
151	EMAIL HEADER FORMAT	1	All	Selecting the header information to print when an email is received. (Normally used for Troubleshooting. It shows the path of the email transmission before arriving at your machine.)
		2	Subject/ From/To	
		3	Off	
152	SUB-ADDRESS ROUTING	1	Invalid	Selecting whether to automatically route a received fax or email using ITU-T sub-address.
		2	Valid	
153	TSI ROUTING	1	Invalid	Selecting whether to route a received fax to a telephone number or an email address preprogrammed in Phone Book using the originating fax's Numeric ID (TSI frame information).
		2	Valid	
154	ROUTING HEADER FORMAT	1	Originator	Selecting the type of email header to be included in the "From" field of each routed faxes. **Originator** :The originating fax machine's TSI will appear in the "From" field of the routed email. **Relay Station** :The routing station's email address will appear in the "From" field of the routed email.
		2	Relay Station	
155	PRINT ROUTED DOCUMENT	1	Inc. Only	Selecting whether a received fax to be routed is always printed or only when the routing operation fails.
		2	Always	
156	PRINT FORWARDED DOCUMENT	1	Inc. Only	Selecting whether a memory received fax or email to be forwarded is always printed or only when forwarding is incomplete.
		2	Always	
157	TRANSACTION JOURNAL	1	Invalid	Selecting whether the machine sends a transaction journal to the pre-programmed email address.
		2	Valid	
158	PC REMOTE UPDATE	1	Invalid	Selecting whether the machine will accept commands from an email application, to: (a) Program the Internet Parameters (b) Program the Auto Dialler (c) Allow retrieval of the Journal
		2	Valid	
159	SUBJECT LINE ENTRY	1	Invalid	Selecting whether the "Subject" line can be programmed during each transmission.
		2	Valid	

Continued on the next page...

Fax Parameter Table

No.	Parameter	Setting Number	Setting	Comments
160	DEFAULT DOMAIN	1	Invalid	Selecting whether the machine accepts to insert the Default Domain when entering Manual Number Dialling.
		2	Valid	
161	DNS SERVER	1	Invalid	Selecting whether to use the DNS Server for the Internet communication.
		2	Valid	
162	TIFF VIEWER URL	1	None	Selecting whether to include the URL address in the email message body.
		2	English	
		3	English+ Japanese	
163	ROUTING HEADER	1	Invalid	Selecting whether to add the Header Print information of the Routing Station on the top edge of each routed pages.
		2	Valid	
164	IFAX XMT HEADER (Email only)	1	Included	Selecting whether to include the header when sending a document to an addressee in the same Domain as specified in the Default Domain parameter. (This is useful when using the machine to scan documents back to your PC) **Note**: When sending to a Domain other than as specified in the Default Domain parameter, the header will be included regardless of the selection.
		2	Not included	

NOTE

1. *The standard settings are printed on the Fax Parameter List. To print out Fax Parameter List, see page 123.*
2. *The contents of Fax Parameter may differ depending on the each country's regulation or specification.*

Sending Documents via LAN

General Description

Document(s) can be sent via LAN to a single or multiple email addresses. The following Email Addressing methods can be selected:

- Manual Email Addressing
- One-Touch Email Addressing
- Abbreviated Email Addressing
- Directory Search Email Addressing
- Multiple Station Email Addressing

The Memory Transmission mode is automatically selected by your machine if an email address is registered into the chosen One-Touch key(s), Program key(s), or Abbreviated Number key(s).

The document is always stored into memory first, then the machine starts to send the email message.

Direct Transmission, Voice Mode Transmission, and Redialling features are not available for sending documents via LAN.

Manual Email Addressing

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

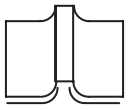
1a

```
ENTER STATION(S)
THEN PRESS START 00%
```

Place original(s) face up on the ADF.

or

1b



① Place a book or an original face down on the Platen Glass.
② Press [ORIGINAL SIZE] to select the original size.

2

FAX/EMAIL

```
■
ENTER EMAIL ADDRESS
```

Press [FAX/EMAIL] again to choose Manual Email Addressing mode.

3a

Enter the full email address (up to 60 characters) using the keypad. (See page 44)

```
abc@panasonic.com
```

Ex: [a][b][c][@][p][a][n][a][s][o][n][i][c][.][c][o][m]

If you make a mistake, press [CLEAR] to erase the character then reenter the correct character.

3b

Enter the User portion of the email address and press [SET]. The machine will complete the email address with the Default Domain preprogrammed in the User (Internet) Parameters. (i.e. will add "panasonic.com" to the email address)

```
abc
```

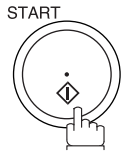
3c

If you want to send to a different Domain, enter the first part of an email address, press [@] and use the [▼] or [▲] key to display domain names in the Selectable Domains List. Choose the desired domain and press [START]. (See Note 3 and page 68)

```
abc@mgcs.com
```

Manual Email Addressing

4



The document(s) is stored into memory with a file number. Then connects to the LAN and starts sending the email message.

```
* STORE *      NO.001
      PAGES=001  01%
```

```
* STORE * COMPLETED
TOTAL PAGE=005   25%
```

```
ON LINE * MEM.MXT *
ID:abc@panasonic.com
```

NOTE

1. *If your machine sounds an alarm (pi-pi-pi) in Step 2 above, this indicates that the Dialler is Full (more than 30 full email addresses are entered or 50 transmission reservations including G3 communication have been already reserved).*
2. *If the transmission cannot be completed for any reason, the email may be returned undelivered; otherwise no reply will be printed.*
3. *For the machine to perform the email address completion the Fax Parameter No. 160 (DEFAULT DOMAIN) must be set to "Valid" and the DEFAULT DOMAIN must be preprogrammed in the User (Internet) Parameters.* *(See page 26)*

One-Touch Email Addressing

One-Touch dialling / addressing is a fast way of dialling full telephone numbers or email addresses. To use these dialling or addressing methods, you must first store the telephone numbers or email addresses into One-Touch keys. (See page 45)

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

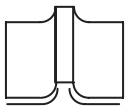
1a

Place original(s) face up on the ADF.

```
ENTER STATION(S)
THEN PRESS START 00%
```

or

1b



① Place a book or an original face down on the Platen Glass.

② Press [ORIGINAL SIZE] to select the original size.

2 Press a One-Touch key (01-52).

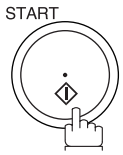
Ex: [01]

If a telephone number is stored into the One-Touch key, the display shows:

```
<01>(Station name)
abc@panasonic.com
```

```
<01>(Station name)
5551234
```

3



The document(s) is stored into memory with a file number. Then connects to the LAN and starts sending the email message.

```
* STORE *      NO.001
      PAGES=001  01%
```

```
* STORE * COMPLETED
TOTAL PAGE=005   25%
```

```
ON LINE * MEM.MXT *
ID:(Station name)
```

NOTE

1. *If your machine sounds an alarm (pi-pi-pi) in Step 2 above, this indicates that the File Storage is Full (more than 30 full email addresses are entered or 50 transmission reservations including G3 communication have been already reserved).*
2. *If the transmission cannot be completed for any reason, the email may be returned undelivered; otherwise no reply will be printed.*

Abbreviated Email Addressing

Abbreviated dialling / addressing is a fast way of dialling full telephone numbers or email addresses. To use these dialling or addressing methods, you must first store the telephone numbers or email addresses into the Auto Dialler with a 3-digit abbreviated code. (See page 47)

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

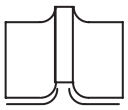
1a

Place original(s) face up on the ADF.

```
ENTER STATION(S)
THEN PRESS START 00%
```

or

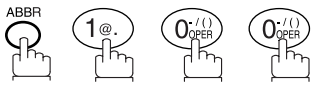
1b



① Place a book or an original face down on the Platen Glass.

② Press [ORIGINAL SIZE] to select the original size.

2 Press [ABBR] and then enter a 3-digit code (001 to 100).

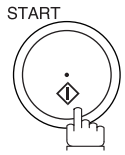
Ex: 


```
[100](Station name)
xyz@panasonic.com
```

```
[100](Station name)
5553456
```

If a telephone number is stored into the ABBR station, the display shows:

3



The document(s) is stored into memory with a file number. Then connects to the LAN and starts sending the email message.

```
* STORE *      NO.001
      PAGES=001  01%
```

```
* STORE * COMPLETED
TOTAL PAGE=005   25%
```

```
ON LINE * MEM.MXT *
ID:(Station name)
```

NOTE

1. *If your machine sounds an alarm (pi-pi-pi) in Step 2 above, this indicates that the File Storage is Full (more than 30 full email addresses are entered or 50 transmission reservations including G3 communication have been already reserved).*
2. *If the transmission cannot be completed for any reason, the email may be returned undelivered; otherwise no reply will be printed.*

Directory Search Dialling

When sending via LAN, the Directory Search function allows you to dial a full email address or telephone number by searching for the station name or email address entered in the Auto Dialler.

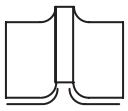
Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

1a

```
ENTER STATION(S)
THEN PRESS START 00%
```

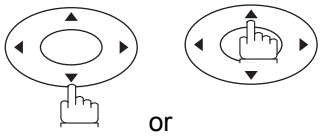
Place original(s) face up on the ADF.

or

1b 

① Place a book or an original face down on the Platen Glass.

② Press [ORIGINAL SIZE] to select the original size.

2a 

or

Enter the full station name or part of a station name by using the Character keys. (See page 44)

Ex: [P][A][N][A] for searching **PANASONIC**

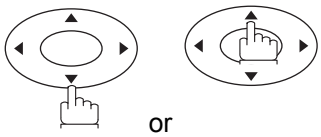
```
ENTER LETTER(S)
PANA
```

2b Press FAX/EMAIL

Enter the full or part of an email address by using keypad. (See page 44)

Ex: [x] to search for **xyz@panasonic.com**

```
x
xxx@matsushita.com
```

3 

or

repeatedly until display shows the station name and telephone number / email address you want to send to.

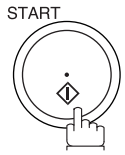
```
[100] PANASONIC
xyz@panasonic.com
```

or

```
x
xyz@panasonic.com
```

Directory Search Dialling

4



The document(s) is stored into memory with a file number. Then connects to the LAN and starts sending the email message.

```
* STORE *      NO.001
      PAGES=001  01%
```

```
* STORE * COMPLETED
TOTAL PAGE=005   25%
```

```
ON LINE * MEM.MXT *
ID:PANASONIC
```

NOTE

1. *If your machine sounds an alarm (pi-pi-pi) in Step 2 above, this indicates that the File Storage is Full (more than 30 full email addresses are entered or 50 transmission reservations including G3 communication have been already reserved).*
2. *If the transmission cannot be completed for any reason, the email may be returned undelivered; otherwise no reply will be printed.*

Multi-Station Transmission (Broadcasting)

You can store the document(s) into memory and then send to multiple stations (up to 190 addresses) via LAN.

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

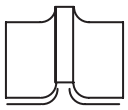
1a

```
ENTER STATION(S)
THEN PRESS START 00%
```

Place original(s) face up on the ADF.

or

1b



① Place a book or an original face down on the Platen Glass.

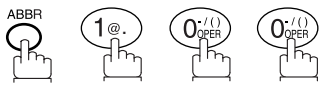
② Press [ORIGINAL SIZE] to select the original size.

2

Enter the email addresses by any combination of the following methods:

- One-Touch Dialling
- Abbreviated Dialling
- Directory Search Dialling, press [SET] after each email address is entered.
- Manual Number Dialling, press [SET] after each station is entered (up to 30 addresses).

Ex: [01]




```
<01>(Station name)
abc@panasonic.com
```

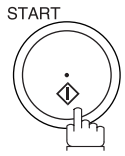
```
[100](Station name)
xyz@panasonic.com
```

```
  2 STN(S) ARE SET
ADD MORE OR START
```

If you want to confirm the number of stations you have entered, press [SET].

Multi-Station Transmission (Broadcasting)

3



The document(s) is stored into memory with a file number. Then connects to the LAN and starts sending the email message.

```
* STORE *      NO.001
      PAGES=001  01%
```

```
* STORE * COMPLETED
TOTAL PAGE=005   25%
```

```
ON LINE * MEM.MXT *
ID:abc@panasonic.com
```


NOTE

1. *If your machine sounds an alarm (pi-pi-pi) in Step 2 above, this indicates that the File Storage is Full (more than 30 full email addresses are entered or 50 transmission reservations including G3 communication have been already reserved).*
2. *If the transmission cannot be completed for any reason, the email may be returned undelivered; otherwise no reply will be printed.*
3. *The unit will accept a combination of email addresses and PSTN dialling numbers.*

Selectable Domains

Using the Selectable Domains feature speeds the process of completing the email address by attaching often used Domain Names.

• Advance registration of up to 10 often used, domain names into the "Selectable Domains" list is required. (See page 26)

Ex: To send an email to the Sales Department of Panasonic "sales@panasonic.com" using the "panasonic.com" domain that has been pre-registered in the Selectable Domains list, follow the Steps below:

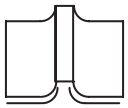
Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

1a

Place original(s) face up on the ADF.

```
ENTER STATION(S)
THEN PRESS START 00%
```

or

1b 

① Place a book or an original face down on the Platen Glass.

② Press [ORIGINAL SIZE] to select the original size.

2 FAX/EMAIL To choose Manual Email Addressing mode.

```
■
ENTER EMAIL ADDRESS
```

3 Enter the User portion of the email address using keypad. (See page 44)

Ex: [s] [a] [l] [e] [s] [@]
(Note: The "@" symbol indicates to the machine that a Domain Name will follow)

```
sales@
```

4 [▼] or [▲] key repeatedly until the desired Selectable Domain Name is displayed on the LCD.

Ex: panasonic.com

```
panasonic.com
```

5 Press [SET] to add the displayed Domain Name to the User portion of the email address. (If you make a mistake selecting the Domain Name, simply press the [▼] or [▲] key followed by [SET] to replace the selected Domain Name)

```
sales@panasonic.com■
```

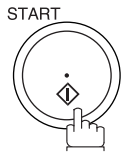
Selectable Domains

6 Press [SET] to specify other destinations.

```
  1 STN(S) ARE SET
ADD MORE OR START
```

or

7



The document(s) is stored into memory with a file number. (See Note 2)
Then connects to the LAN and starts sending the email message.

NOTE

1. *If the desired Domain Name is not found, press [CLEAR] to exit the Selectable Domains List.*
2. *If the Fax Parameter No. 145 (SENDER SELECTION) setting is on "Valid", the Sender Selection screen appears after pressing [START] in Step 7 above. Select the sender to be added to the "From:" field on the email and press [START] to start storing the document(s). The factory default setting for this parameter is on "Invalid".*

Internet Fax A3/Ledger Size Document Transmission

When transmitting via LAN, the transmitter is incapable of identifying the receiver's recording paper size capability, and thus it will not reduce the document size during transmission. Therefore, it is recommended that you send only A4/Letter size documents for LAN transmission. If a A3/Ledger size document is transmitted and the receiver is only able to print A4/Letter size documents, the communication will fail when the temporary setting "08 LAN A3 XMT" of the Select Mode is set to its default position (ON).

To send without reduction, follow the Steps below.

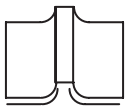
Make sure that the FAX/EMAIL lamp is ON. If not, press

to select the "FAX/EMAIL" mode.

1a

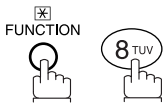
Place original(s) face up on the ADF.

or

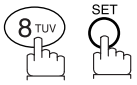
1b 

① Place a book or an original face down on the Platen Glass.

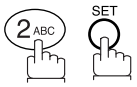
② Press [ORIGINAL SIZE] to select the original size.

2 


```
SELECT MODE     (1-8)
ENTER NO. OR ∨ ∧
```

3 


```
LAN A3 XMT=OFF
1:OFF 2:ON
```

4 


```
LAN A3 XMT=ON
1:OFF 2:ON
```

5 Dial by any combination of the following methods:

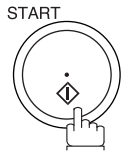
- One-Touch Dialling
- Abbreviated Dialling
- Directory Search Dialling, press [SET] after each email address is entered.
- Manual Number Dialling, press [SET] after each station is entered (up to 30 addresses).

```
<01>(Station name)
panasonic.usa@panas
```

Ex: [01]

Internet Fax A3/Ledger Size Document Transmission

6



The document(s) is stored into memory with a file number. The machine then connects to the LAN and transmits the Ledger size document(s).
(After the document(s) are sent, the "LAN A3 XMT" Select Mode will automatically return to the preset position (ON)).

To send with reduction, follow the Steps below.

Repeat Steps 1 to 6, except in Step 4, set the "LAN A3 XMT" setting to "OFF" position.

When the Select Mode "LAN A3 XMT" setting is set to the "OFF" position, the transmission reduction is according to the setting of Fax Parameter No. 141 (LAN XMT REDUCTION). (See the Table below)

LAN A3 XMT = ON : Transmits actual document size (without reduction).
LAN A3 XMT = OFF : Reduces A3/LEDGER size document to B4 size or to A4/Letter before transmission. (According to the Fax Parameter No. 141 (LAN XMT REDUCTION) setting, see Table below)

Document Size	Document Size Transmission		
	LAN A3 XMT = ON	LAN A3 XMT = OFF	
		Fax Parameter No. 141 (LAN XMT REDUCTION) set to "Invalid"	Fax Parameter No. 141 (LAN XMT REDUCTION) set to "Valid"
A3/LEDGER	A3/LEDGER	B4	A4/Letter
B4	B4	B4	A4/Letter
A4/Letter	A4/Letter	A4/Letter	A4/Letter

NOTE

1. Factory default setting for Fax Parameter No. 141 (LAN XMT REDUCTION) is "Invalid".

Returned Email

When using the Internet communication mode, a failure report will print automatically for each transaction if the email is returned undelivered by the mail server. The printout will consist of the undelivered message contents supplied by the mail server and a portion of the first page's image for that particular transaction.

Failure Report Sample (User unknown)

```
Received: from localhost (localhost) by ifei1.rdmg.mgcs.mei.co.jp (8.6.12/3.4W3) with
internal id OAA24381; Sun, dd Mmm yyyy 14:52:57 +0900
Date: Sun, dd Mmm yyyy 14:52:57 +0900
From: Mail Delivery Subsystem <MAILER-DAEMON@ifeif1.rdmg.mgcs.mei.co.jp>
Subject: Returned mail: User unknown
Message-Id: <yyyymmdd0552.OAA24381@ifeif1.rdmg.mgcs.mei.co.jp>
To: <fax@nwpc31.rdmg.mgcs.mei.co.jp>

The original message was received at Sun, dd Mmm yyyy 14:52:54 +0900
from nwpc31.rdmg.mgcs.mei.co.jp [172.21.22.51]

   ----- The following addresses had delivery problems -----
<error@nwr39.rdmg.mgcs.mei.co.jp>  (unrecoverable error)

   ----- Transcript of session follows -----
.... while talking to nwr39.rdmg.mgcs.mei.co.jp.:
>>> RCPT To:<error@nwr39.rdmg.mgcs.mei.co.jp.>
<<< 550 <error@nwr39.rdmg.mgcs.mei.co.jp.>... User unknown
550 <error@nwr39.rdmg.mgcs.mei.co.jp.>... User unknown

   ----- Original message follows -----
Return-Path: fax@nwpc31.rdmg.mgcs.mei.co.jp
Received: from nwpc31.rdmg.mgcs.mei.co.jp (Internet FAX) (nwpc31.rdmg.mgcs.mei.co.jp [172.21
.22.51]) by ifeif1.rdmg.mgcs.mei.co.jp (8.6.12/3.4W3) with SMTP id OAA24380 for <error@nwr39
.rdmg.mgcs.mei.co.jp>; Sun, dd Mmm yyyy 14:52:54 +0900
Message-Id: <yyyymmdd0552.OAA24380@ifeif1.rdmg.mgcs.mei.co.jp>
Mime-Version: 1.0
Content-Type: image/tiff
Content-Transfer-Encoding: base64
Content-Disposition: attachment; filename="image.tif"
Content-Description: image.tif
X-Mailer: Internet Fax, MGCS
Date: Sun, dd Mmm yyyy 14:49:00 +0900
From: "Your machine" <fax@nwpc31.rdmg.mgcs.mei.co.jp>
Subject: IMAGE from Internet FAX
To: error@nwr39.rdmg.mgcs.mei.co.jp


                          5
dd Mmm yyyy  14:49      Your machine                                    P01/01
```

THE SLEREXE COMPANY LIMITED

SAPORS LANE - BOOLE - DORSET - BH 25 8 ER

TELEPHONE BOOLE (945 13) 51617 - TELEX 123456

Our Ref. 350/PJC/EAC dd Mmm yyyy

Dr. P.N. Cundall,
Mining Surveys Ltd.,
Holroyd Road
Reading,
Berks.

Dear Pete,

Permit me to introduce you to the facility of facsimile transmission.

In facsimile a photocell is caused to perform a raster scan over the subject copy. The variations of print density on the document cause

Using a Mailing List

Using a Mailing List stored in the mail server simplifies the process of entering multiple locations and allows you to send to an unlimited number of email addresses with one easy operation.

Ask your Network System administrator for information on how to utilize the Mailing List.

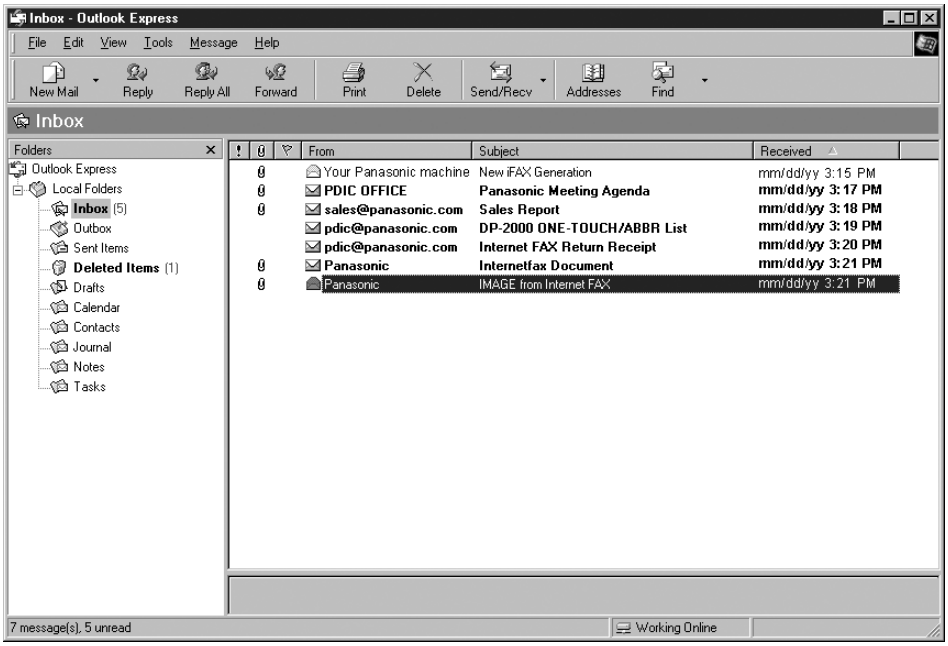
General Description

Your machine offers you a choice to receive Fax documents unattended (by default) or manually over regular telephone lines.

Your machine also offers the same choice to receive and print Internet email messages via LAN unattended or manually when subscribing to a POP mail server. However, when your machine is configured to receive email using SMTP protocol, the email can only be received and printed unattended.

Internet Fax Received on a PC

Figure 1: Outlook Express Inbox Sample



- The "Subject" column in the above example shows samples of email messages received on a PC from your machine, and Internet FAX.

- For your reference, the above example is from Outlook Express Inbox running under Microsoft® Windows®. If you are using a different email application software, please refer to your application's User Manual.

General Description

Figure 2: Internet Fax Received on a PC

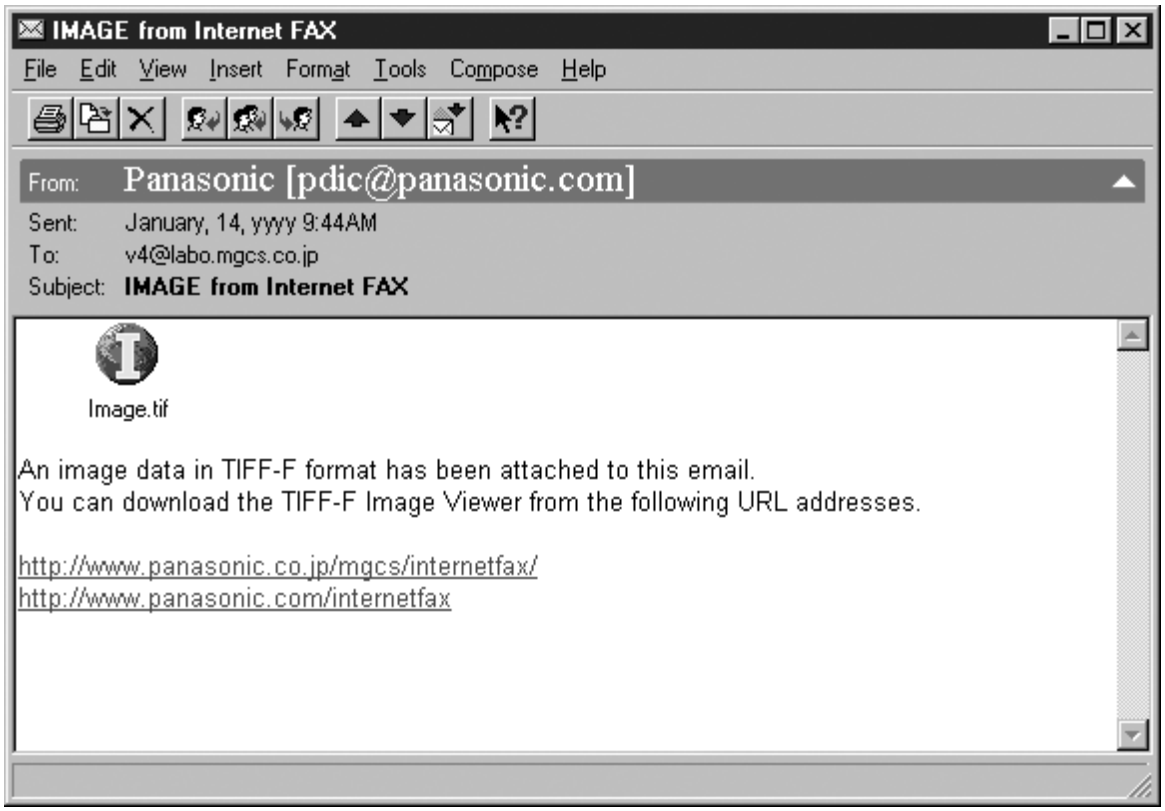


IMAGE from Internet FAX
File Edit View Insert Format Tools Compose Help
From: Panasonic [pdic@panasonic.com]
Sent: January, 14, yyyy 9:44AM
To: v4@labo.mgcs.co.jp
Subject: IMAGE from Internet FAX
Image.tif
An image data in TIFF-F format has been attached to this email.
You can download the TIFF-F Image Viewer from the following URL addresses.
http://www.panasonic.co.jp/mgcs/internetfax/
http://www.panasonic.com/internetfax

- For your reference, the above example is from Windows Messaging running under Microsoft® Windows®.

- To run the Viewer, please refer to your application's Operating Instructions. The attached file is composed of TIFF-F (Tagged Image File Format with Modified Hoffman coded image). TIFF Viewers come in many flavors, a majority of TIFF Viewers will open and view this file, however, a handful of Viewers may not support this format.

- You can download the TIFF-F Image Viewer into your PC from the following URL addresses:

  http://www.panasonic.co.jp/mgcs/internetfax/

  http://www.panasonic.com/internetfax/

- License agreement of Panasonic's TIFF-F Image Viewer application

  You must carefully read the license agreement before installing the TIFF-F Image Viewer application on your PC. If you do not agree to all the terms of this agreement, do not use the software and destroy all of the copies thereof.

  You must assume full responsibility for selection of the software and its operation/non-operation and results obtained therefrom.

Receiving Email from a POP Server

Your machine offers a choice to receive and print Internet email messages via LAN unattended or manually when subscribing to a POP mail server.

Setting the POP Parameters

Set the parameters pertinent to the POP server (Fax Parameters Nos. 146 to 149).

No. 146 (POP TIMER): Enter the interval to check and retrieve email from the POP server (0 to 60 minutes). If "0 minutes" is entered, the POP server is not checked for mail.

No. 147 (AUTO POP RCV): When there is mail to be retrieved from the POP server, your machine will retrieve it and print the email unattended. If this parameter is set to "1:Invalid", the machine will not retrieve it, but displays the number of mails on the POP server.

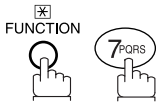
No. 148 (DEL POP RCV MAIL): Select whether the email is deleted from the POP server after it is retrieved by your machine.

No. 149 (DEL POP ERR MAIL): Select whether to delete the email from the POP server when the file attachment format is not supported.

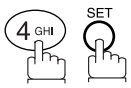
To set the above POP parameters, follow the Steps below.

Make sure that the FAX/EMAIL lamp is ON. If not, press

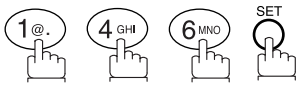
to select the "FAX/EMAIL" mode.

1 


```
SET MODE        (1-4)
ENTER NO. OR ∨ ∧
```

2 


```
FAX PARAMETER(1-164)
2:ABBR NO.
```

3 


```
146 POP TIMER
 3 min.   (0-60)
```

4 Enter the desired download interval (0 to 60minutes).

Ex: ⓪ ⑤

If you make a mistake, press CLEAR to erase the digit and then re-enter the correct value.

```
146 POP TIMER
 5 min.   (0-60)
```

5


```
147 AUTO POP RCV
 2:VALID
```

6 ① for “INVALID”

or

② for “VALID”

```
147 AUTO POP RCV
 2:VALID
```

Receiving Email from a POP Server

7 SET

```
148 DEL POP RCV MAIL
 2:VALID
```

8 ① for “INVALID”

or

② for “VALID”

```
148 DEL POP RCV MAIL
 2:VALID
```

9 SET

```
149 DEL POP ERR MAIL
 1:INVALID
```

10 ① for “INVALID”

or

② for “VALID”

```
149 DEL POP ERR MAIL
 1:INVALID
```

11 SET

```
150 IFAX RET RECEIPT
 1:INVALID
```

12 STOP

NOTE

1. *When an unsupported file attachment is received, an error message is printed to inform you that the file attachment could not be printed.*
2. *When Fax Parameter No. 148 (DEL POP RCV MAIL) and/or Fax Parameter No. 149 (DEL POP ERR MAIL) are set to 1:Invalid, email with errors will not be erased. This will allow you to retrieve this email from your PC later.*

   Furthermore, if these Fax Parameters are set to "1:Invalid", you will need to delete mails from the POP server periodically. POP servers allocate a certain amount of space per account and if mail is not deleted regularly, your mail box will overflow and new incoming mail will be rejected.

   Either retrieve these mails from your PC or set the Fax Parameters to "2:Valid" triggering your machine to receive, print and delete all the mails from the POP server. This procedure, however, might cause mail that had been printed before to print again.

Receiving Email from a POP Server

Unattended Reception from the POP Server

When the Fax Parameter No. 146 (POP TIMER) is set to a value between 1 and 60 minutes, and Fax Parameter No. 147 (AUTO POP RCV) is set to "2:Valid", the machine will query the POP server at the specified interval for new mail.
Any mail on the POP server is retrieved and printed unattended.

```
 1 NEW MAIL(S)
```

When the Fax Parameter No. 146 (POP TIMER) is set to "0", the machine will not query the POP server and the mail is not retrieved automatically. With this setting, mail must be retrieved manually from the POP server.

```
dd-MMM-yyyy 17:15
   < NEW MAIL(S)>
```

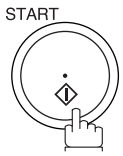
When the Fax Parameter No. 147 (AUTO POP RCV) is set to "1:Invalid", the machine will query the POP server for new mail at the interval specified by Fax Parameter No. 146. If new mail has arrived at POP server, the machine will not retrieve it, but displays the number of mails on the POP server.

Manual Reception from the POP Server

To receive manually from the POP server, follow the Steps below:

Make sure that the FAX/EMAIL lamp is ON. If not, press

to select the "FAX/EMAIL" mode.

1 


```
dd-MMM-yyyy 17:15
                  00%
```

or

```
dd-MMM-yyyy 17:15
   < NEW MAIL(S)>
```

2 If the POP server has not received any new mail, the following message is displayed.

```
NO NEW MAIL
```

3 If POP server received new mail, the machine will display the number of mails on the server, then receive and print the email.

```
ON LINE * RCV *
ID:abc@panasonic.com
```

NOTE

1. *If you program a user name and password in the Program key, you can receive mail from the POP server using a user name other than the name set as the user parameter.*
2. *The number of emails that can be retrieved during a single operation is 20. Even if POP server has more than 20 emails, only 20 will be displayed on the machine. After retrieving the first 20 emails, repeat the procedure from beginning to ensure all emails were retrieved from the POP server.*

Program Keys

General Description

Your fax machine has special Program Keys (P1 to P8). These keys are useful if you frequently need to send to the same group of stations. You can use these keys to store an additional One-Touch key or a One-Touch group key.

Entering an Email Address

Once you program an email address in the Program Keys (P1 to P8), you can specify the station simply by pressing the associated Program Key.

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

1 FUNCTION 7PQRS 3DEF SET

```
PROGRAM          (1-5)
ENTER NO. OR ∨ ∧
```

2 3DEF SET

```
PROGRAM[P ]
PRESS PROGRAM KEY
```

3 **Ex:** 01

```
PROGRAM[P1]      NAME
ENTER NAME
```

4 Enter the station name (up to 15 characters) by using the keypad. (See page 44)

Ex: PROG. A and press SET

```
[P1]PROG.A
ENTER EMAIL ADDRESS
```

5 Enter the email address (up to 60 characters) by using the keypad. (See page 44)

Ex: a b c @ p a n a s o n i c . c o m

```
[P1]PROG.A
abc@panasonic.com
```

6 START

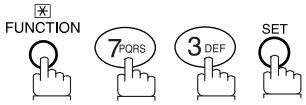
```
PROGRAM[P ]
PRESS PROGRAM KEY
```

You can now set other Program Keys by repeating the procedures from Step 3, or return to standby by pressing STOP.

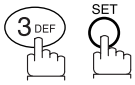
Entering a Telephone Number

Once you program a telephone number in the Program Keys (P1 to P8), you can specify the station simply by pressing the associated Program Key.

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

1 


```
PROGRAM          (1-5)
ENTER NO. OR ∨ ∧
```

2 


```
PROGRAM[P ]
PRESS PROGRAM KEY
```

3 **Ex:** 01

```
PROGRAM[P1]      NAME
ENTER NAME
```

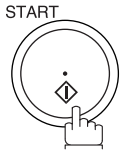
4 Enter the station name (up to 15 characters) by using the keypad. (See page 44)

Ex: PROG. A and press SET

```
[P1]PROG.A
ENTER TEL. NO.
```

5 Enter the telephone number
(up to 36 digits including pauses and spaces).
Ex: ⑨ PAUSE ⑤⑤⑤ MONITOR ①②③④

```
[P1]PROG.A
9-555 1234
```

6 


```
PROGRAM[P ]
PRESS PROGRAM KEY
```

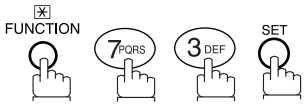
You can now set other Program Keys by repeating the procedures from Step 3, or return to standby by pressing STOP.

Setting for Group Dialling

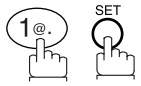
Once you program group dialling stations into the Program Keys (P1 to P8), you can specify multi-station transmission (broadcasting) to multiple locations (mixed, G3 Fax and Email Address) simply by pressing the associated Program Key.

Make sure that the FAX/EMAIL lamp is ON. If not, press

to select the "FAX/EMAIL" mode.

1 


```
PROGRAM          (1-5)
ENTER NO. OR ∨ ∧
```

2 


```
PROGRAM[P ]
PRESS PROGRAM KEY
```

3 **Ex:** 01

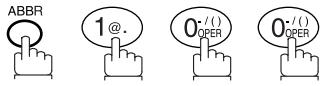
```
PROGRAM[P1]      NAME
ENTER NAME
```

4 Enter the station name (up to 15 characters) by using the keypad. (See page 44)

Ex: PROG. A and press SET

```
ENTER STATION(S)
THEN PRESS START
```

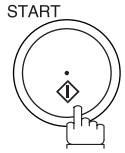
5 Enter the station numbers by using One-Touch Key or ABBR and 3-digit code.

Ex: 05 and 


```
<05> (Station name)
abc@panasonic.com
```

```
[100](Station name)
5553456
```

You may use the ▼ or ▲ keys to review the entered station(s) before going to next Step. If you find an error, press CLEAR to erase the displayed station.

6 

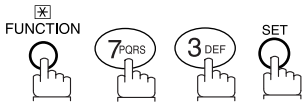

```
PROGRAM[P ]
PRESS PROGRAM KEY
```

You can now set other Program Keys by repeating the procedures from Step 3, or return to standby by pressing STOP.

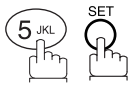
Setting the POP Access Key

This function allows others to share your machine to retrieve their emails from the POP server by preprogramming their POP User Names and POP Passwords into the Program Keys (P1 to P8). They will be able to retrieve their emails by simply pressing the associated Program Key. (See Note 1)

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

1 


```
PROGRAM          (1-5)
ENTER NO. OR ∨ ∧
```

2 


```
PROGRAM[P ]
PRESS PROGRAM KEY
```

3 **Ex:** 01

```
POP USER NAME
▮
```

4 Enter a POP User Name (up to 40 characters) by using keypad and press SET . (See page 44)

Ex: k a t e and SET

```
POP USER NAME
kate▮
```

5 Enter a POP Password (up to 10 characters) by using keypad and press SET . (See page 44)

Ex: p a n a ① ② ③ and SET

```
POP PASSWORD
▮
```

```
POP PASSWORD
pana123▮
```

6 ① to leave messages on server after retrieval

or

② to delete messages on server after retrieval

```
DELETE EMAIL   NO.=1
1:NO 2:YES
```

You can now set other Program Keys by repeating the procedures from Step 3, or return to standby by pressing STOP .

```
PROGRAM[P ]
PRESS PROGRAM KEY
```

NOTE

1. *If security is a concern and to prevent unauthorized personnel from retrieving your email from the POP server, when programming the Program Key, leave the POP Password field "Blank". By leaving it "Blank", the machine will prompt you to enter the POP Password when the Program Key is pressed to retrieve mail.*

Using the POP Access Key

To retrieve your Email from the POP Server by using the Program Key, follow the procedure below.

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

1 Press the Program key programmed for POP Access Key.

Ex: 01

```
POP RCV USER NAME
kate
```

If the POP User Name is not entered in the Program Key, enter the POP User Name (up to 40 characters).

2 START

If the POP Password is not entered in the Program Key, enter the POP Password (up to 10 characters) and press START.

3 If the POP server has not received any new mail, the following message is displayed.

```
NO NEW MAIL
```

4 If POP server received new mail, the machine will display the number of mails on the server, then receive and print the email.

```
  1 NEW MAIL(S)
```

```
ON LINE * RCV *
ID:abc@panasonic.com
```

NOTE

1. *The number of emails that can be retrieved during a single operation is 20. Even if POP server has more than 20 emails, only 20 will be displayed on the machine. After retrieving the first 20 emails, repeat the procedure from beginning to ensure all emails were retrieved from the POP server.*

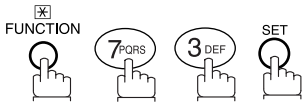
Changing or Erasing the Program Key Settings

To change the settings in a Program Key, follow the procedure on setting a Program Key on pages 79 to 82.
- Start time or station(s) for deferred transmission
- Station(s) for normal polling
- Start time or station(s) for deferred polling
- Station(s) for group dialling
- Telephone number / email address and station name for One-Touch key

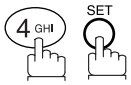
To erase the settings in a Program Key

Make sure that the FAX/EMAIL lamp is ON. If not, press

to select the "FAX/EMAIL" mode.

1 


```
PROGRAM          (1-5)
ENTER NO. OR ∨ ∧
```

2 


```
PROGRAM[P ]
PRESS PROGRAM KEY
```

3 Press the Program Key you want to erase.

Ex: 01

```
PROGRAM[P1]
DELETE? 1:YES 2:NO
```

4


```
* DELETING *
PROGRAM[P1]
```

5 You can now erase other Program Keys by repeating the procedures from Step 3, or return to standby by pressing STOP.

```
PROGRAM[P ]
PRESS PROGRAM KEY
```

Sender Selection

General Description

This operation allows the user to select one of the 25 preset User Names and Email Addresses before a transmission. The selected User Names is printed on the Header of each page sent and on the COMM. Journal. When sending email, the selected user name and/or email address appears in the "From:" field of the email message.

Setting the Sender Selection

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

1 FUNCTION 7 PQRS

```
SET MODE        (1-4)
ENTER NO. OR ∨ ∧
```

2 4 GHI SET

```
FAX PARAMETER(1-164)
      NO.=
```

3 1 @. 4 GHI 5 JKL SET

```
145 SENDER SELECTION
 1:INVALID
```

4 2 ABC

```
145 SENDER SELECTION
 2:VALID
```

5 SET

```
SENDER SELECTION
ENTER NO. OR ∨ ∧
```

6 Enter the Sender Selection number.

Ex: ① ② (01 to 24)

```
ENTER USER NAME
12
```

7 Enter your User Name (up to 25 characters and digits) by using character keys. (See page 44)

Ex: P A N A S O N I C MONITOR

S A L E S and SET (See Note 1)

```
ENTER USER NAME
12 PANASONIC SALES
```

Continued on the next page...

Setting the Sender Selection

8 Enter an email address (up to 60 characters) to be printed on the "From" field of the email message by using the keypad. (See page 44)

Ex: a b c @ p a n a s o n i c . c o m

```
ENTER EMAIL ADDRESS
12 ▮
```

```
ENTER EMAIL ADDRESS
12 abc@panasonic.com
```

9 SET

```
ENTER USER NAME
13 ▮
```

To record another User Name, repeat Steps 6 to 9.

To return to standby, press STOP.

NOTE

1. *Use COPY to copy the default User Name that was programmed in the User Parameters. You can add the department name following the default User Name.*

Sending Document with Sender Selection

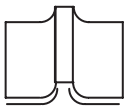
Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

1a

```
ENTER STATION(S)
THEN PRESS START 00%
```

Place original(s) face up on the ADF.

or

1b 

① Place a book or an original face down on the Platen Glass.

② Press [ORIGINAL SIZE] to select the original size.

2 Enter email address or telephone number.

3 START

```
SELECT SENDER(00-24)
ENTER NO. OR ∨ ∧
```

4 Enter a number or use [▼] or [▲] to select the User Name that you want to use. (See Note 2)

```
12 PANASONIC SALES
abc@panasonic.com
```

Ex: ① ②

5 START

The document is sent as an email message with the selected user name and/or email address appearing in the "From" field of the email message.

NOTE

1. *The Sender Selection function cannot be used in the Voice Dialling Mode for ordinary transmission.*
2. *If you do no select a User Name in the Step 4, the unit selects the default User Name (00) that was programmed in the User Parameters for ordinary transmission.*

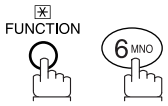
Printing the Sender Selection List

The Sender Selection List can be printed out following the Fax Parameter List.

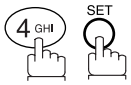
To enable the printing of the Sender Selection List, change the setting of Fax Parameter No. 145 (SENDER SELECTION) to "Valid". (See page 57)

Make sure that the FAX/EMAIL lamp is ON. If not, press

to select the "FAX/EMAIL" mode.

1 


```
PRINT OUT       (1-7)
ENTER NO. OR ∨ ∧
```

2 


```
* PRINTING *
FAX PARAMETER LIST
```

Sample Sender Selection List (Prints following the Fax Parameter List

```
*************** -FAX PARAMETER LIST- ***************** DATE dd-MMM-yyyy ***** TIME 15:00 ***P.02

          SENDER SELECTION LIST

       (1)        (2)                          (3)
       NO.        USER NAME                    EMAIL ADDRESS

        01        Panafax Sales                sales@panasonic.com
        02        Panafax Service              service@panasonic.com
        03        Panafax Accounting           account@panasonic.com

        24        Panafax Engineering          engneering@panasonic.com


                                                        -        PANASONIC         -
****************************************** -HEAD OFFICE   - ****** -     201 555 1212- *******
```

Explanation of Contents

(1) Sender Selection Number : 01-24
(2) User Name : Up to 25 characters
(3) Email Address : Up to 60 characters

Subject Line Entry

General Description

Your machine will automatically add the Default Subject information that was entered during the User Parameter setup, to the Subject Line of all outgoing emails.

If you would like for the machine to prompt you for the Subject before each email transmission, change the Fax Parameter No. 159 (SUBJECT LINE ENTRY) to "2:Valid".

Sending Email with Subject Line Entry

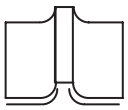
Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

1a

```
ENTER STATION(S)
THEN PRESS START 00%
```

Place original(s) face up on the ADF.

or

1b 

① Place a book or an original face down on the Platen Glass.

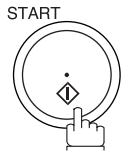
② Press [ORIGINAL SIZE] to select the original size.

2 Enter the email addresses by any combination of the following methods:

- One-Touch Dialling
- Abbreviated Dialling
- Directory Search Dialling, press [SET] after each email address is entered.
- Manual Number Dialling, press [SET] after each station is entered (up to 30 addresses).

Ex: [01]

```
<01>(Station name)
abc@panasonic.com
```

3 


```
ENTER SUBJECT OR
PRESS START TO SEND
```

4 Enter the Subject (up to 40 characters and digits) by using keypad. (See page 44) To use the Default Subject pre-programmed in the User Parameter, just press [START].

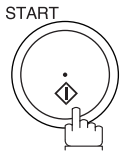
Ex: [F][A][X][MONITOR][f][r][o][m][MONITOR]
[M][r][.][MONITOR][J][o][n][e][s]

```
SUBJECT
FAX from Mr. Jones
```

Continued on the next page...

Sending Email with Subject Line Entry

5



The document(s) is stored into memory with a file number. Then connects to the LAN and starts sending the email message.

```
* STORE *      NO.001
      PAGES=001  01%
```

```
* STORE * COMPLETED
      PAGES=001  10%
```

```
ON LINE * MEM.MXT *
ID:(Station name)
```

NOTE

1. *If no default subject is programmed, the message is shown as "IMAGE from Internet FAX" for the subject.*

Setting the Routing Parameters

Your machine can route documents received from a G3 fax machine to email address(s) or to Internet Fax machine(s) connected to a LAN as an email, as well as to other G3 fax machine(s) over the telephone line.

To use this feature, the Fax Parameter No. 152 "SUB-ADDRESS ROUTING" and/or No. 153 "TSI ROUTING" must be set to "2:Valid".

No. 152 SUB-ADDRESS ROUTING: Set this parameter to perform an ITU-T sub-address query within its auto dialler and to route the received document(s) to the corresponding stations email address(s) or telephone number(s).

No. 153 TSI ROUTING: Set this parameter to perform a Numeric ID (TSI frame information) query within its auto dialler and to route the received document(s) to the corresponding stations email address(s) or telephone number(s).

No. 154 ROUTING HEADER FORMAT: Use this parameter to select the type of email header to be included in the "From" field of each routed faxes. (Default setting is "1:Originator")
Originator : The originating fax machine's TSI will appear in the "From" field of the routed email.
Relay Station : The routing station's email address will appear in the "From" field of the routed email.

No. 155 PRINT ROUTED DOCUMENT : Set this parameter to select whether a received fax to be routed is always printed on your machine or only when the routing operation fails.

To set the above Inbound Routing parameters, follow the Steps below.

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

1 FUNCTION, 7 PQRS

```
SET MODE        (1-4)
ENTER NO. OR ∨ ∧
```

2 4 GHI, SET

```
FAX PARAMETER(1-164)
        NO.=■
```

3 1 @., 5 JKL, 2 ABC, SET

```
152 SUB-ADDR ROUTING
 1:INVALID
```

4 ① for "INVALID"

```
152 SUB-ADDR ROUTING
 1:INVALID
```

or

② for "VALID"

```
152 SUB-ADDR ROUTING
 2:VALID
```

5 SET

```
153 TSI ROUTING
 1:INVALID
```

Continued on the next page...

Setting the Routing Parameters

6 ① for “INVALID”

or

② for “VALID”

```
153 TSI ROUTING
 1:INVALID
```

```
153 TSI ROUTING
 2:VALID
```

7


```
154 ROUTE HEADER FMT
 1:ORIGINATOR
```

8 ① for “ORIGINATOR”

or

② for “RELAY STATION”

```
154 ROUTE HEADER FMT
 1:ORIGINATOR
```

```
154 ROUTE HEADER FMT
 2:RELAY STATION
```

9


```
155 PRINT ROUTED DOC
 1:INC. ONLY
```

10 ① for “INC. ONLY”

or

② for “ALWAYS”

```
155 PRINT ROUTED DOC
 1:INC. ONLY
```

```
155 PRINT ROUTED DOC
 2:ALWAYS
```

11


```
156 PRT FORWARD DOC
 1:INC. ONLY
```

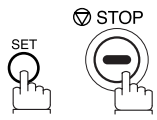
12 ① for “INC. ONLY”

or

② for “ALWAYS”

```
156 PRT FORWARD DOC
 1:INC. ONLY
```

```
156 PRT FORWARD DOC
 2:ALWAYS
```

13 

Entering One-Touch/Abbreviated Dialling Numbers for Inbound Routing

If the Inbound Routing parameters are set, an ITU-T sub-address and/or originator's Numeric ID (TSI frame information) can be programmed with each email address in One-Touch, Abbreviated numbers or Program Keys. (See page 18)

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

1 FUNCTION 7PQRS 2ABC SET

```
1:ONE-TOUCH
2:ABBR NO.
```

2 Select (1) for One-Touch dialling number / email address.
Select (2) for ABBR dialling number / email address.

Ex: (1)

```
ONE-TOUCH<  >
PRESS ONE-TOUCH
```

3 **Ex:** 01

To change the input mode (between "ENTER EMAIL ADDRESS" and "ENTER TEL. NO."), press FAX/EMAIL .

```
<01>
ENTER EMAIL ADDRESS
```

or

```
<01>
ENTER TEL. NO.
```

4 Enter an email address (up to 60 characters) or a telephone number (up to 36 digits) by using the keypad. (See page 44)

```
<01>
abc@panasonic.com
```

or

```
<01>
55512342762
```

5 SET

```
<01>ENTER NAME
abc@panasonic.com
```

or

```
<01>ENTER NAME
55512342762
```

6 Enter the station name (up to 15 characters) by using the keypad. (See page 44)

Ex: S A L E S MONITOR D E P T

```
<01> SALES DEPT
abc@panasonic.com
```

or

```
<01> SALES DEPT
55512342762
```

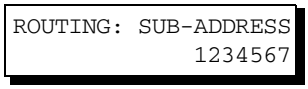
7 SET

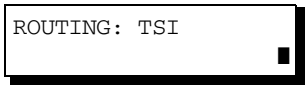
```
ROUTING: SUB-ADDRESS
```

Continued on the next page...

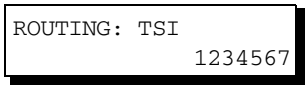
Entering One-Touch/Abbreviated Dialling Numbers for Inbound Routing

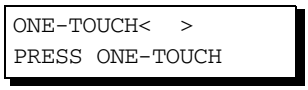
8 Enter the sub-address (up to 20 characters) and press SET.





9 Enter a Numeric ID (TSI) (up to 20 characters) and press SET.
To return to standby, press STOP.





NOTE

1. "+" and "SPACE" entries in the "ROUTING: TSI" field are ignored by the receiving machine.

Setting Fax Forward

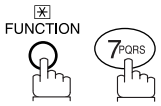
This feature allows all incoming faxes or emails to be forwarded to the station registered in the one-touch or abbreviated dialling number. Once the faxes or emails are received in the memory, the machine will forward the received document(s) to the telephone number or the email address registered in the one-touch or abbreviated dialling number.

This function is convenient when you would like to receive faxes or emails in another place (i. e. your home) at night or during a holiday.

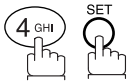
Make sure that the FAX/EMAIL lamp is ON. If not, press

to select the "FAX/EMAIL" mode.

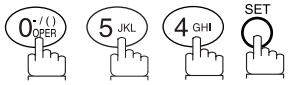
1 First register the destination telephone number or email address into the one-touch or abbreviated dialling number. (See pages 45 to 48)

2 


```
SET MODE        (1-4)
ENTER NO. OR ∨ ∧
```

3 


```
FAX PARAMETER(1-164)
        NO.=
```

4 


```
54 FAX FORWARD
 1:INVALID
```

5


```
54 FAX FORWARD
 2:VALID
```

6


```
54 FAX FORWARD
ENTER STATION
```

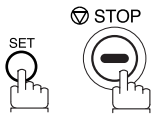
7 Enter the station to forward the received faxes or emails to, by assigning a one-touch key or an abbreviated dialling number.

Ex: 01

ABBR 1 0 0

```
<01>(Station name)
5551234
```

```
[100](Station name)
xyz@panasonic.com
```

8 


```
dd-MMM-yyyy   15:00
  < FAX FORWARD >
```

NOTE

1. *When the Fax Forward feature is set, the assigned one-touch or the abbreviated dialling number will be restricted from editing. Please change this function to "Invalid" when you would like to edit the telephone number or email address.*
2. *If the communication to transfer a received fax or email fails, the received fax or email will print out and then is erased from memory. If the Fax Parameter No. 156 (PRT FORWARD. DOC) is set to "Always", the received fax or email will print even when the transmission is successful.*
3. *It is not possible to receive a document if the memory of your machine overflows or is about 95% used.*

Ifax Return Receipt

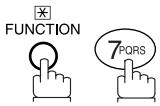
General Description

Your machine automatically sends an Ifax Return Receipt to the sender confirming email reception from another Panasonic Internet Fax.

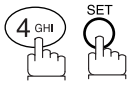
To disable this feature, follow the Steps below.

Make sure that the FAX/EMAIL lamp is ON. If not, press

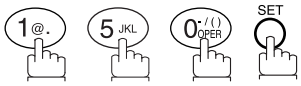
to select the "FAX/EMAIL" mode.

1 


```
SET MODE        (1-4)
ENTER NO. OR ∨ ∧
```

2 


```
FAX PARAMETER(1-164)
        NO.=
```

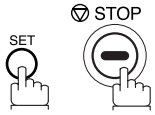
3 


```
150 IFAX RET RECEIPT
 2:VALID
```

4

for “INVALID”

```
150 IFAX RET RECEIPT
 1:INVALID
```

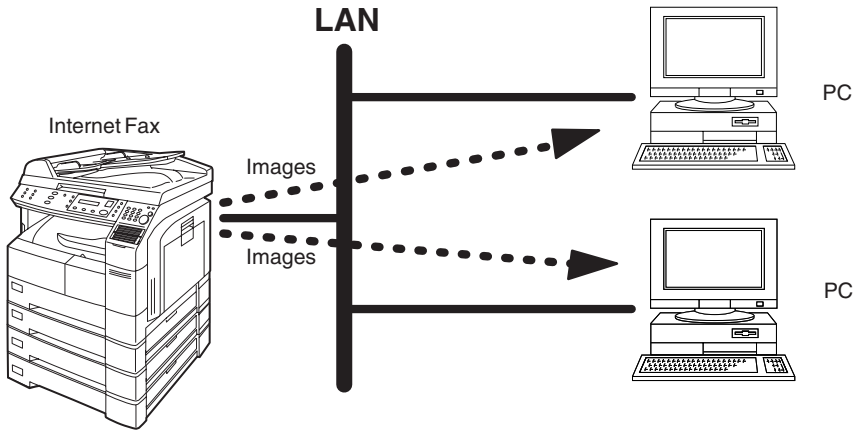
5 

NOTE

1. *Your machine sends the Ifax Return Receipt only when receiving from another Panasonic brand Internet Fax. It will not confirm email sent from a PC. (The default setting for this parameter is "2:VALID".)*

General Description

You can import Fax images by using your machine transmission function.
Storing a specific email address into a One-Touch Key/Program Key allows you to import picture images by pressing a single key.

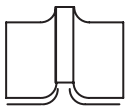


Make sure that the FAX/EMAIL lamp is ON. If not, press **to select the "FAX/EMAIL" mode.**

1a

Place original(s) face up on the ADF.

or

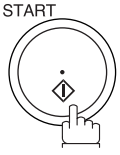
1b 

① Place a book or an original face down on the Platen Glass.

② Press [ORIGINAL SIZE] to select the original size.

2 To improve the scanning quality, you can temporarily change the Resolution to "S-FINE" and if you are scanning color photographs or illustrations with gray tones, change the Halftone setting to "PHOTO".

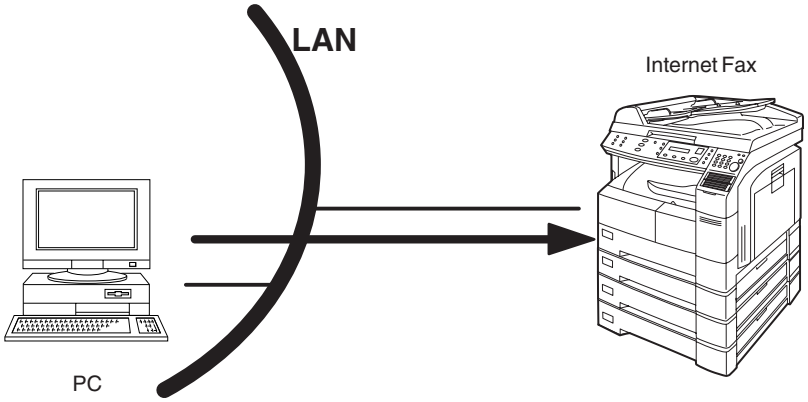
3 Dial by any combination of the following methods:
- One-Touch Dialling
- Abbreviated Dialling
- Directory Search Dialling
- Manual Number Dialling

4 

General Description

Your machine allows you to print documents created on your PC using various software applications.

To be able to use this function, install the Printer Driver and LPR software downloaded from the web site first. (See page 20)



1 Select your machine as your default printer on the PC.

2 From any software application, instruct your PC to print to your machine.

3 Your machine receives and prints the document.

NOTE

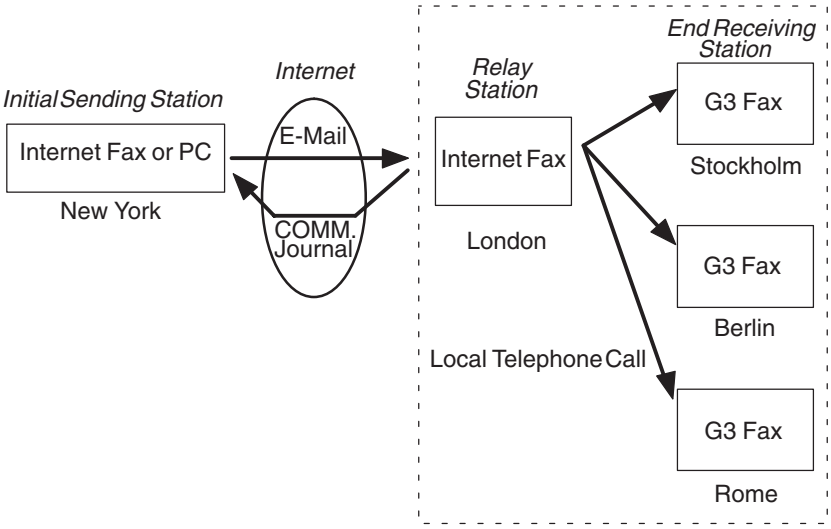
1. *Your machine is unable to receive print jobs while it is engaged in a communication task. After the communication job is completed, the PC will transfer the print job to your machine for printing.*
2. *The IP Address, Subnet Mask and Default Router IP Address (TCP/IP Gateway Address) must be programmed on your machine to use as a Network Printer.*

Relayed Transmission

General Description

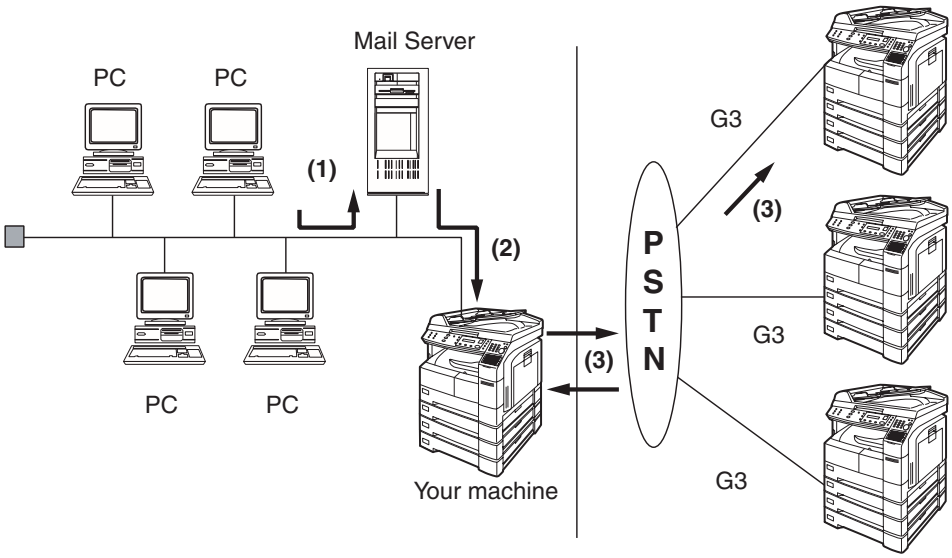
The Internet Relayed Transmission feature can save you time and transmission costs if you need to send the same documents to multiple G3 fax machines.
This is especially true if the transmissions are long distance.
You can send documents to any G3 fax machine by using the Internet via a LAN from your machine to another Relay Station (your machine).
You can also send an email with attached TIFF-F file(s) to any G3 fax machine from your PC using your current email application through a Relay Station (your machine).
To use the Internet Relayed Transmission, the Relay Station must be set up properly.

Example 1: Internet Relay Transmission



From your PC or your machine you can send documents to a Relay Station with the telephone number of the End Receiving Station(s).
After the Relay Station completes its transmission to the End Receiving Station, your PC or your machine receives a COMM. Journal from the Relay Station. This COMM. Journal confirms whether the Internet Relayed Transmission was successful.

Example 2: Fax Server (Intranet Relay Transmission)



(1) Initiate a Relay Transmission via email to the Mail Server
(2) Mail Server transfers the email to your machine with relay instructions to transmit to a G3 machine
(3) Your machine initiates a telephone call to a G3 machine and transmits the document

Relay Network

This Feature saves you time and long distance phone line costs when sending an Internet Fax directly from your machine to the end receiving station(s).

A Relay Network is basically composed of an Originating Station, which can be an Internet Fax Machine (your machine) or a PC, a Relaying Internet Fax Machine (another Panasonic machine), and End-receiving station(s), which can be regular G3 Fax machines.
By simply sending a Document(s) from your machine or an email message from a PC, to ***your machine (Relay machine)***, which is then transmitted by your machine to the end receiving station(s) using regular phone lines as a normal G3 Fax message. (PC can have TIFF-F or text (.txt) file attachment)
The end receiving station(s) are usually local in relation to the Relay Station, which incurs a local telephone charge for the Fax Transmission.

After the Relay Station completes its transmission to the end receiving station(s), a Communication Journal is sent back to the originator from the Relaying Internet Fax (your machine) confirming whether the Internet Relayed Transmission was successful. Any Relay activity information is sent by email from the Relaying Internet Fax to its Manager's Email Address, which is programmed in the Relaying Internet Fax machine's User Parameters. (See page 26)

To use the Internet Relayed Transmission, just follow the set up procedure described on pages 102 to 111 and obtain certain information provided by the Relaying machine (your machine) operator. A sample network is shown in Figure 1.

Figure 1 shows a sample network as seen from **New York *(Initiating Station)***, **London and Singapore are *(Relay Stations)*** connected to New York, and the **(End Receiving Stations)** are **Stockholm, Rome, Tokyo, Hong Kong, and Sydney**.

With this simple network using two Relay Stations, you can send a document with one operation to any combination of stations in the network via the London Relay Station and/or Singapore Relay Station.

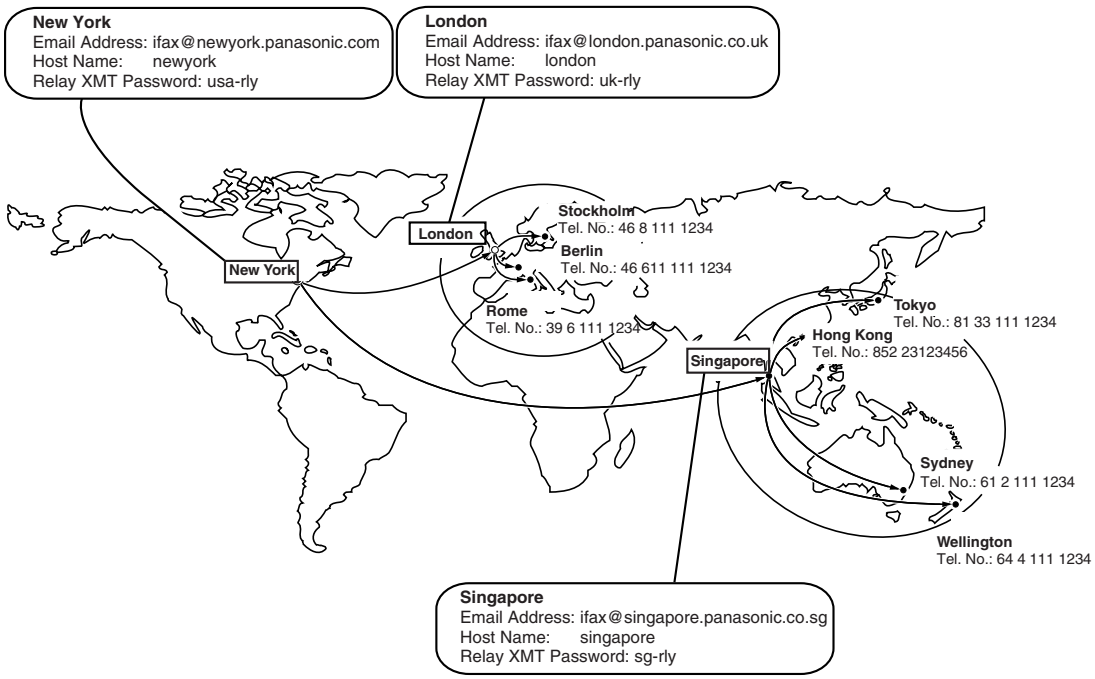


Figure 1 : Sample Network

Relay Network

Table 2, 3 and 4 are sample settings for the Sample Network shown in Figure 1.

Table 2 : Sample Parameter and Phone Book Dialling Number Table for New York (Originating Station)

Telephone Number : 212 111 1234
Email Address(SMTP) : ifax@newyork.panasonic.com
Host Name : newyork
Relay XMT Password : usa-rly

Station Name	Email Address / Telephone Number	Relay Station Address
London	Ifax@london.panasonic.co.uk	---
Stockholm	46 8 111 1234	[London Relay]
Singapore	Ifax@singapore.panasonic.co.sg	---
Tokyo	81 33 111 1234	[Singapore Relay]
London Relay	uk-rly@london.panasonic.co.uk	---
Singapore Relay	sg-rly@singapore.panasonic.co.sg	---
Rome	39 6 111 1234	[London Relay]
Hong Kong	852 23123456	[Singapore Relay]
Sydney	61 2 111 1234	[Singapore Relay]

Table 3 : Sample Parameter and Phone Book Dialling Number Table for London (Relaying Station)

Telephone Number : 71 111 1234
Email Address(SMTP) : Ifax@london.panasonic.co.uk
Host Name : london
Relay XMT Password : uk-rly

Station Name	Email Address / Telephone Number	Relay Station Address
New York	ifax@newyork.panasonic.com	---
Stockholm	46 8 111 1234	[London Relay]
Singapore	Ifax@singapore.panasonic.co.sg	---
Tokyo	81 33 111 1234	[Singapore Relay]
Singapore Relay	sg-rly@singapore.panasonic.co.sg	---
Rome	39 6 111 1234	[London Relay]
Hong Kong	852 23123456	[Singapore Relay]
Sydney	61 2 111 1234	[Singapore Relay]
London Relay	uk-rly@london.panasonic.co.uk	---

Table 4 : Sample Parameter and Phone Book Dialling Number Table for Singapore (Relaying Station)

Telephone Number : 65 111 1234
Email Address(SMTP) : Ifax@singapore.panasonic.co.sg
Host Name : singapore
Relay XMT Password : sg-rly

Station Name	Email Address / Telephone Number	Relay Station Address
London	Ifax@london.panasonic.co.uk	---
Stockholm	46 8 111 1234	[London Relay]
New York	ifax@newyork.panasonic.com	---
Tokyo	81 33 111 1234	[Singapore Relay]
London Relay	uk-rly@london.panasonic.co.uk	---
Rome	39 6 111 1234	[London Relay]
Hong Kong	852 23123456	[Singapore Relay]
Sydney	61 2 111 1234	[Singapore Relay]
Singapore Relay	sg-rly@singapore.panasonic.co.sg	---

NOTE

1. *The Relay XMT Password must be registered for your machine to work as a Relay Station. (See page 103)*
2. *To prevent unauthorized stations from accessing your Relay Station for Internet Relayed Transmissions, you must setup your network security. Enter acceptable Domain Name(s) and the Manager's Email Address for notification of all Internet Relayed Transmissions. (See page 102)*

Setting up your machine as an Internet Relay Station

To set up your machine as a Relay Station, the following parameters must be set properly.

1. **Relay XMT (Fax Parameter No. 142)**
   Selecting whether the machine will accept and performs G3 relayed transmission. (See page 56)

   1) **Invalid** - Machine will not accept a Relay XMT request.
   2) **Valid** - Machine will accept a Relay XMT request.

2. **Relay XMT Report (Fax Parameter No. 143)**
   Selecting how the COMM. Journal for relayed transmission is sent to the originator.

   1) **Off** - Do not send
   2) **Always** - The COMM. Journal is always sent after a Relay Communication is completed or has failed.
   3) **Inc. Only** - The COMM. Journal is sent if the Relay Communication to the destination has failed.

3. **Relay XMT Password (User's Parameter) (See Note 1)**
   Enter a Relay XMT Password (up to 10 characters) to be used for protection against unauthorized (outside) stations from accessing your machine to relay messages to a G3 fax machine via PSTN. This password should be given out to authorized people only.

4. **Relay Address (Auto Dialler)**
   Enter a 3-digit Abbreviated Number which will assign the Relay Email Address of the Relay Station your machine will use.

5. **Manager's Email Address (User's Parameter)**
   Register the Department Manager's Email Address for supervision and cost control purposes. Once registered, the machine will send an email notification to this email address for each Relayed XMT Request received from a remote station. The following information is sent.
   (From : The email address of the originating station.)
   (To : The telephone number of the destination G3 fax machine.)

6. **Domain Names (User's Parameter) (See Note 2)**
   Register up to 10 Domain Names (up to 30 characters) that your machine will accept Relayed Transmission Requests to relay a message to another G3 fax machine via PSTN.

   Ex: Registered Domain Names
   (01): rdnn.mgcs.co.jp
   (02): rdmg.mgcs.co.jp
   (03): panasonic.com

In the example above, the Relayed XMT Request will be accepted only from the email addresses that include the Domain Name of rdnn.mgcs.co.jp, rdmg.mgcs.co.jp or panasonic.com.

NOTE

1. *This should be different than your machine's Email Address used to receive regular email / Internet Fax, as your machine's Email Address is always included in the header of all email messages sent. So, anyone receiving an Internet Fax from the machine will easily know the Relay XMT Password if it is the same as the Email Address.*
2. *If all the Domain Names are left blank, the Internet Fax will accept Relayed XMT Requests from any domain.*

Setting Up Your Machine for Relayed Transmission

Programming the End Receiving Station into your Auto Dialler

If the Fax Parameter No. 140 (LAN RELAY XMT REQUEST) is set to "Valid", you can enter the Relay Address (ABBR No.) by the following procedure.

To set a One-Touch/ABBR for Relayed Transmission Request

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

1 FUNCTION 7PQRS 2ABC SET

```
1:ONE-TOUCH
2:ABBR NO.
```

2 Ex: 1@.

```
ONE-TOUCH<  >
PRESS ONE-TOUCH
```

3 Press a One-Touch key (01-52).

Ex: 01

```
<01>
ENTER EMAIL ADDRESS
```

4 To change the input mode (between "ENTER EMAIL ADDRESS" and "ENTER TEL. NO."), press FAX/EMAIL.

```
<01>
ENTER TEL. NO.
```

5 Enter the telephone number (up to 36 digits).

If the Relay and the End Receiving Stations are both in the same area, omit the Country Code and the Area Code from the End Receiving Station. The End Receiving Station is a local telephone number as viewed from the Relay Station.

```
<01>
3961111234
```

6 SET

```
<01>ENTER NAME
3961111234
```

7 Enter the station name (up to 15 characters) by using the keypad. (See page 44)

Ex: R O M E

```
<01> ROME
3961111234
```

8 SET

```
<01> RELAY ADDRESS
                ■■■
```

Continued on the next page...

Setting Up Your Machine for Relayed Transmission

9 Enter the 3-digit Abbreviated number of the Relay Station that you want to assign to this End Receiving Station.

The Abbreviated number must contain the Relay XMT Password of the Relay Station.

<01> RELAY ADDRESS
001

Ex:

10

ONE-TOUCH< >
PRESS ONE-TOUCH

You can now set an additional One-Touch/Abbreviated numbers for Relayed Transmission Request by repeating the procedures from Steps 3 to 8, or return to standby by pressing STOP.

Sending Documents via Internet Relay

Once you have recorded all the necessary parameters in your machine, you can send a document to one or multiple G3 fax machines automatically through the Internet Relay Station by using the procedure described below. The Internet Relay Station must have all the necessary parameters setup.

To a Location That Has a Pre-programmed Relay Station

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

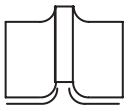
1a

Place original(s) face up on the ADF.

```
ENTER STATION(S)
THEN PRESS START 00%
```

or

1b



① Place a book or an original face down on the Platen Glass.

② Press [ORIGINAL SIZE] to select the original size.

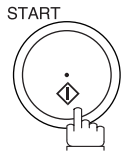
2 Enter only the telephone number(s) of the End Receiving Station(s) using any combination of the following methods:

- One-Touch Dialling
- Abbreviated Dialling
- Manual Number Dialling (up to 30 stations), press [SET] after each station is entered. (see Note)
- Directory Search Dialling, press after each station is entered (For details, see pages 60 to 64.)

```
<02> STOCKHOLM
4681111234
```

Ex: [01]

3 [START]



```
* STORE *      NO.002
     PAGES=001     05%
```

The document(s) is stored into memory and your machine starts sending the document(s) to the Relay email address of the Relay Station with the telephone number for the End Receiving Station.

Ex: End Receiving Station : 4681111234
(Telephone number)
[see Note 1]
Relay Station : uk-rly@london.panasonic.co.uk

```
* STORE * COMPLETED
TOTAL PAGES=005  25%
```

After the Relay Station completes its transmission to the End Receiving Station(s), your machine receives a COMM. Journal from the Relay Station.
This Journal confirms whether the Internet Relayed Transmission was successful.

```
ON LINE *MEM.XMT*
ID:uk-rly#4681111234
```

NOTE

1. *If the Relay Station requires a special access number to get an outside line, enter that access number first then press* [PAUSE] *to enter a pause (represented by a "-") before entering the full number.*

Sending Documents via Internet Relay

To a Location That Does Not Have a Pre-programmed Relay Station

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

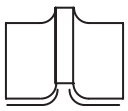
1a

```
ENTER STATION(S)
THEN PRESS START 00%
```

Place original(s) face up on the ADF.

or

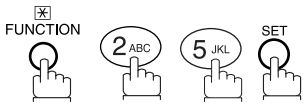
1b



① Place a book or an original face down on the Platen Glass.

② Press [ORIGINAL SIZE] to select the original size.

2




```
LAN RELAY XMT
ENTER RELAY STATION
```

3 Assign a Relay Station by either one of the following methods.

- Manual Dialling (press the [FAX/EMAIL] key first, then enter the email address for the Relay Station)
- One-Touch Dialling
- Abbreviated Dialling
- Directory Search Dialling (For details, see pages 60 to 64.)

```
[001]LONDON RELAY
uk-rly@london.panas
```

Ex: [ABBR] ⓪ ⓪ ①

```
LAN RELAY XMT
ENTER STATION(S)
```

4 Enter only the telephone number(s) of the End Receiving Station(s) using any combination of the following methods:

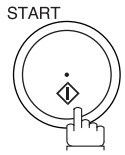
- One-Touch Dialling
- Abbreviated Dialling
- Manual Number Dialling (up to 30 stations), press [SET] after each station is entered. (see Note)
- Directory Search Dialling, press after each station is entered (For details, see pages 60 to 64.)

Ex: [02]

```
<02> STOCKHOLM
4681111234
```

Sending Documents via Internet Relay

5 START



```
* STORE *      NO.002
     PAGES=001     05%
```

The document(s) is stored into memory and your machine starts sending the document(s) to the Relay email address of the Relay Station with the telephone number for the End Receiving Station.

Ex: End Receiving Station : 4681111234
(Telephone number)
[see Note 1]
Relay Station : uk-rly@london.panasonic.co.uk

```
* STORE * COMPLETED
TOTAL PAGES=005  25%
```

After the Relay Station completes its transmission to the End Receiving Station(s), your machine receives a COMM. Journal from the Relay Station.
This Journal confirms whether the Internet Relayed Transmission was successful.

```
ON LINE *MEM.XMT*
ID:uk-rly#4681111234
```

NOTE

1. *If the Relay Station requires a special access number to get an outside line, enter that access number first then press* PAUSE *to enter a pause (represented by a "-") before entering the full number.*
2. *The "#" character is not available for the email address of the relay station.*

Sending Document(s) from a PC to a G3 Fax Machine

Using your email application, you can send any document(s) from your PC as a TIFF-F attachment to one or multiple G3 fax machines automatically through the Internet Relay Station.

The Internet Relay Station (your machine) must be properly setup with all the required parameters.

To send a Relayed Transmission from your PC using your email application, follow the example below.

Ex: In the "To:" box of your email application, type the following:

sg-rly#81331111234@singapore.panasonic.co.sg

or

sg-rly#*001@singapore.panasonic.co.sg

- Relay XMT Password:sg-rly
- # + End Receiving Station (with Phone Number): #81331111234 (see Note 1)
- # *+ End Receiving Station (with Abbreviated Dialling Number): #*001 - #*175 (see Note 1)
- # *+ End Receiving Station (with One-Touch Number): #*1001 - #*1020 (see Note 1)
- # *+ End Receiving Station (with Program Key as a Group Dialling): #*2001 - #*2005 (see Note 1)
- @ + Relay Station's Domain Name: @singapore.panasonic.co.sg

Your PC sends the text document(s) to the Relay email address of the Relay Station with the telephone number of the End Receiving Station.

After the Relay Station completes its transmission to the End Receiving Station(s), your PC receives a COMM. Journal from the Relay Station. This Journal confirms whether the Internet Relayed Transmission was successful.

NOTE

1. *The "#" and "*" symbol must be entered after the Relay XMT Password as it indicates to your machine that a phone number for the End Receiving Station will follow.*
2. *If the Relay Station requires a special access number to get an outside line, enter that access number first then enter a hyphen (represented by a "-") before entering the full number.*

Sending Document(s) from a PC to a G3 Fax Machine

A TIFF Converter software is used on your PC to convert document(s) into a "TIFF" file format, which allows the Internet FAX to receive the document as an attachment to an email. When you are sending a detailed graphic document(s) to a DP-1810F/2000/2500/3000, DX-1000/2000, you can specify 400 dpi resolution for better clarity.

Ifax Mailer software is an add-in program for the TIFF Converter that links the email client for MAPI to the TIFF converter for the Internet FAX.

To send a printing image as email from the application to the Internet FAX, you have to convert the file into the format that the Internet FAX is allowed to receive and print as an email using the TIFF file creation function. You also have to send that file to the Internet FAX as an attached document.
Ifax Mailer, allows you to automatically create TIFF files by pressing one button form the TIFF Converter for the Internet FAX.

You can download the Panasonic's TIFF Converter and ifax Mailer software and their respective User's Guides from any of the following URL addresses

http://www.panasonic.co.jp/mgcs/internetfax/
http://www.panasonic.com/internetfax

To simplify the Relay Transmission operation, Panasonic has an Optional Panafax Fax Gateway software. Please visit the following URL address for more details:

http://www.panasonic.com/office

Printouts and Reports

When you use Relayed Transmission, relay station will send the following two reports to help you check and keep track of your faxes.

1. **Relay XMT Report (COMM. JOURNAL)**
   When the relay station finishes transmitting to the End Receiving Station, it will send a COMM. Journal to you when the Fax Parameter No. 143 is set to "Always" or "Inc. Only", this tells you whether the transmission was successful or not.

2. **Transmission Journal**
   When the Relay Station receives instructions for a relayed transmission, a notification is emailed to the registered manager (see "Setting up your machine as an Internet Relay Station" on page 102).

Sample Relay XMT Report (COMM. JOURNAL)

```
************** -COMM. JOURNAL - ***************** DATE dd-MMM-yyyy **** TIME 15:00 ********

  (1)                                        (2)                    (3)

MODE = RELAYED TRANSMISSION                START= dd-MMM 15:00     END= dd-MMM 15:00

   FILE NO.= 050 (4)

(5)     (6)                  (7)                                              (8)           (9)

STN     COMM.    ONE-TOUCH/  STATION NAME/EMAIL ADDRESS/TELEPHONE NO.     PAGES         DURATION
NO.              ABBR NO.
001     R-OK                 STOCKHOLM                                        001/001       00:00:15
002     R-OK                 ROMA                                             001/001       00:00:15

                                                              - PANASONIC -

************************************ - HEAD OFFICE      - ****** - 201 555 1212 - *******
```

Explanation of Contents

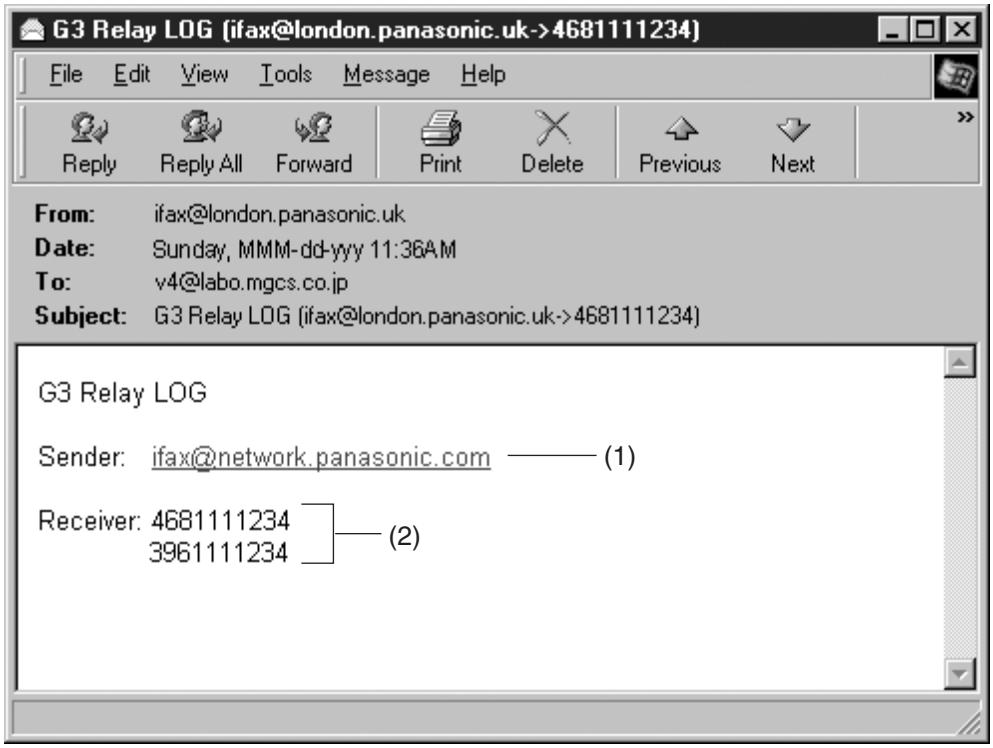
(1)	Indication of communication mode	:	
(2)	Start time of communication		
(3)	End time of communication		
(4)	File number	:	001 to 999
(5)	Sequential number of the stations		
(6)	Communication result	:	"R-OK" indicates that the Relayed XMT Request was successful. 3-digit Info Code (see page 125) indicates that the communication has failed.
(7)	Telephone Number, Email Address or Station Name of the end receiving station		
(8)	Number of pages transmitted	:	3-digit number represents the number of pages successfully transmitted.
(9)	Duration of Communication		

NOTE

1. If you transmit through more than one Relay Station, you will receive a separate Result Report.

Printouts and Reports

Sample Relayed Transmission Notification Email to a Manager



Explanation of Contents

(1) Email address of the sender's Internet Fax (your machine) or PC

(2) End Receiving Station's G3 fax telephone number(s)

memo

General Description

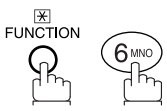
To help you maintain records of the documents you sent and received, as well as lists of the numbers you record, your machine is equipped to print the following journals and lists: Transaction Journal, Individual Transmission Journal, Communication Journal, One-Touch/Abbreviated/Directory Search No. List, Program List, Fax Parameter List, Directory Sheet and File List.

Transaction Journal

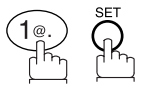
The "Journal" is a record of the last 100 transactions (a transaction is recorded each time you send or receive a document). It is printed out automatically after every 100 transactions (See Note 1) or you can print or view it manually by using the following procedure:

Make sure that the FAX/EMAIL lamp is ON. If not, press

to select the "FAX/EMAIL" mode.

1 


```
PRINT OUT       (1-7)
ENTER NO. OR ∨ ∧
```

2 


```
JOURNAL
1:PRINT 2:VIEW
```

3a

for printing a Journal

```
* PRINTING *
JOURNAL
```

3b

for viewing a Journal

```
JOURNAL VIEW
1:XMT ONLY 2:ALL
```

4 Select the viewing mode.

① to view transmission transactions only

② to view all transactions

Ex: ②

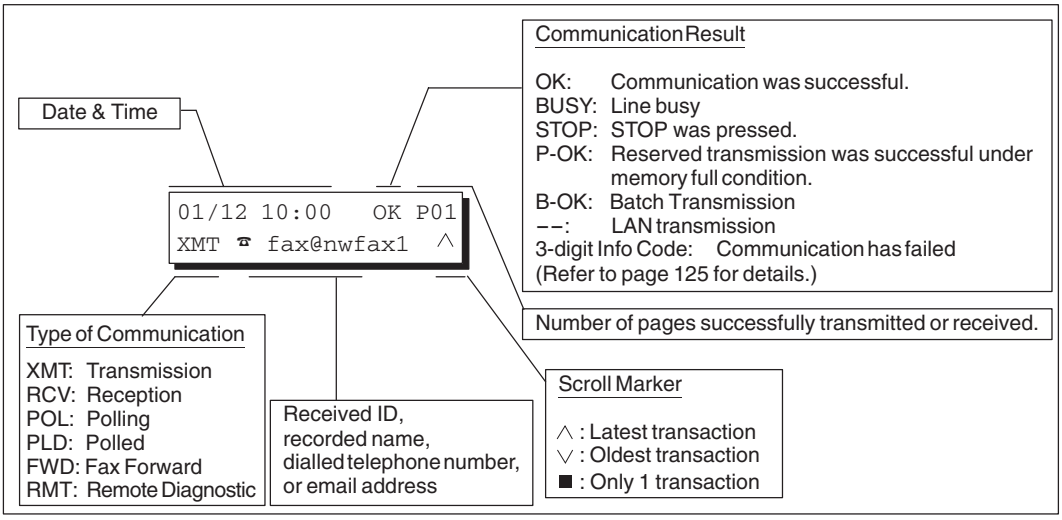
You can view the transactions in the journal by pressing ▼ or ▲. Press STOP to return to standby.

```
USE THE ∨ ∧ KEYS TO
SCROLL EACH RECORD
```

Continued on the next page...

Transaction Journal

Sample Transaction Journal (Viewed on LCD)


Communication Result
OK: Communication was successful.
BUSY: Line busy
STOP: STOP was pressed.
P-OK: Reserved transmission was successful under memory full condition.
B-OK: Batch Transmission
––: LAN transmission
3-digit Info Code: Communication has failed
(Refer to page 125 for details.)
Date & Time
01/12 10:00 OK P01
XMT ☎ fax@nwfax1 ∧
Number of pages successfully transmitted or received.
Type of Communication
XMT: Transmission
RCV: Reception
POL: Polling
PLD: Polled
FWD: Fax Forward
RMT: Remote Diagnostic
Received ID, recorded name, dialled telephone number, or email address
Scroll Marker
∧ : Latest transaction
∨ : Oldest transaction
■ : Only 1 transaction

NOTE

1. *If you wish to disable the automatic print out of the Transaction Journal, change the setting of Fax Parameter No. 13 to "Invalid". (See page 54)*

Transaction Journal

Sample Transaction Journal

```
                                                        (1)                    (2)
***************** -JOURNAL- ************************ DATE dd-MMM-yyyy ***** TIME 15:00 ***** P.01

  (3)  (4)    (5)      (6)    (7)        (8)   (9)                        (10)     (11)       (12)
  NO.  COMM.  PAGES    FILE   DURATION   X/R   IDENTIFICATION        DATE     TIME       DIAGNOSTIC

  01    OK    001/001  149   00:00:52   XMT   ☎215                  dd-MMM   20:04    C8444B0577000
  02    --    001/001  151   00:00:02   XMT   TEST                  dd-MMM   20:07    01 STN(S) LAN
  03    --    003/003  153   00:00:20   XMT   fax@nwfax1            dd-MMM   20:09    01 STN(S) LAN
  04    OK    003      154   00:00:21   RCV   fax@nwfax1.rdmg.mgcs   dd-MMM   20:10             LAN
  05    OK    001      155   00:00:19   RCV   215                   dd-MMM   20:11    C0542B0577000
  06   634    000/003  156   00:00:00   XMT   ☎216                  dd-MMM   20:14    0800420000000
  07   408 *  003            00:02:14   XMT   ☎217                  dd-MMM   21:17    0040440A30080

  49    OK    000/001  159   00:00:07   XMT   TEL XMT               dd-MMM   20:18    CA40462000000
  50    OK    001/001  160   00:00:16   XMT   TEL XMT               dd-MMM   20:19    C8444B0577000
                                            <<  CONTINUE  >>
                                                  (13)
                                                        -PANASONIC                    -

********************************** -HEAD OFFICE    - ***** -            201 555 1212- *********
                                  (15)                                   (14)
```

```
                                                        (1)                    (2)
***************** -JOURNAL- ************************ DATE dd-MMM-yyyy ***** TIME 15:00 ***** P.01

  (3)  (4)    (5)      (6)    (7)        (8)   (9)                        (10)     (11)       (12)
  NO.  COMM.  PAGES    FILE   DURATION   X/R   IDENTIFICATION        DATE     TIME       DIAGNOSTIC

  51    OK    001/001  229   00:00:48   XMT   PANAFAX               dd-MMM   22:04    C8444B0577000
  52    --    001/001  230   00:00:01   XMT   PANASONIC             dd-MMM   23:07    01 STN(S) LAN
  53    --    003/003  231   00:00:12   XMT   fax@nwfax1            dd-MMM   23:09    01 STN(S) LAN
  54    OK    003      231   00:00:14   RCV   fax@nwfax1.rdmg.mgcs   dd-MMM   24:10             LAN

  00    OK    001/001  332   00:01:10   XMT   AAAAAA                dd-MMM   23:19    C8444B0577000

                                                  (13)
                                                        -PANASONIC                    -

********************************** -HEAD OFFICE    - ***** -            201 555 1212- *********
                                  (15)                                   (14)
```

Continued on the next page...

Transaction Journal

Explanation of Contents

(1)	Printout date		
(2)	Printout time	:	dd-MMM-yyyy, represent the day-month-year.
(3)	Journal number		
(4)	Communication result	:	"OK" indicates that the communication was successful. "BUSY" indicates that the communication has failed because of busy line. "STOP" indicates that **STOP** was pressed during communication. "P-OK" indicates that memory overflow or document misfeeding occurred while storing the documents into memory for transmission but successfully stored document(s) was sent. "B-OK" indicates that the Batch Transmission was successful. "- -" indicates LAN transmission. "3-digit Info Code (See page 125) indicates that the communication has failed.
(5)	Number of pages transmitted or received	:	The 3-digit number is the number of pages successfully transmitted or received. When the documents are stored into memory, two 3-digit numbers will appear. The first 3-digit number represents the number of pages successfully transmitted. The second 3-digit number represents the total number of pages that were attempted to be transmitted. Asterisk "*" indicates that the quality of some received copies was poor.
(6)	File number	:	001 to 999 (If the communication is stored into memory, a file number is assigned for each communication.)
(7)	Duration of communication		
(8)	Type of communication	:	"XMT" means Transmission "RCV" means Reception "POL" means Polling "PLD" means Polled "FWD" means Fax Forward "RMT" means Remote Diagnostic
(9)	Remote station identification	:	Name : Recorded name in One-Touch or ABBR. Numbers or remote station's Character ID. ☎ number : Dialled telephone number. Number : Remote station's ID number. Email address
(10)	Communication date		
(11)	Communication Start time		
(12)	Diagnostic	:	For service personnel only
(13)	Own LOGO	:	Up to 25 characters
(14)	Own ID number	:	Up to 20 digits
(15)	Own Character ID	:	Up to 16 characters

NOTE

1. Email transmission sent to multiple locations is recorded as a single transaction on the Journal.

Communication Journal (COMM. JOURNAL)

The Communication Journal (COMM. JOURNAL) lets you verify whether the transmission or polling was successful. You may select the printout condition (Off/Always/Inc. only) in Fax Parameter No. 012.

Sample COMM. JOURNAL

```
************** - COMM. JOURNAL - ***************** DATE dd-MMM-yyyy **** TIME 15:00 **** P.01

   (1)                                        (2)                      (3)
   MODE = MEMORY TRANSMISSION                 START=dd-MMM 14:50       END=dd-MMM 15:00

      FILE NO.= 050 (4)
  (5)     (6)     (7)          (8)                                          (9)          (10)
  STN   COMM.  ONE-TOUCH/   STATION NAME/EMAIL ADDRESS/TELEPHONE NO. PAGES    DURATION
  NO.            ABBR NO.

  001   OK     <01>          SERVICE DEPT.                              001/001  00:01:30
  002   OK     <02>          SALES DEPT.                                001/001  00:01:25
  003   407    <03>          ACCOUNTING DEPT.                           000/001  00:01:45
  004   BUSY    ☎            021 111 1234                               000/001  00:00:00

                                                                  - PANASONIC -
*********************************** - HEAD OFFICE        - ****** - 201 555 1212 - *******
```

THE SLEREXE COMPANY LIMITED

SAPORS LANE - BOOLE - DORSET - BH 25 8 ER

TELEPHONE BOOLE (945 13) 51617 - TELEX 123456

Our Ref. 350/PJC/EAC 18th January, 1972.

Dr. P.N. Cundall,
Mining Surveys Ltd

...variations of print density ...
cause the photocell to generate an analogous electrical video signal. This signal is used to modulate a carrier, which is transmitted to a remote destination over a radio or cable communications link.

At the remote terminal, demodulation reconstructs the video signal, which is used to modulate the density of print produced by a printing device. This device is scanning in a raster scan synchronised with that at the transmitting terminal. As a result, a facsimile copy of the subject document is produced.

Probably you have uses for this facility in your organisation.

Yours sincerely,

Phil.

P.J. CROSS
Group Leader - Facsimile Research

Continued on the next page...

Communication Journal (COMM. JOURNAL)

Explanation of Contents

(1)	Indication of communication mode		
(2)	Start time of communication	:	dd-MMM-yyyy, represent the day-month-year.
(3)	End time of communication		
(4)	File number	:	001 to 999 (When the communication is stored into memory, a file number is assigned for each communication.)
(5)	Station number	:	Sequential number of the Stations.
(6)	Communication result	:	"OK" indicates that the communication was successful. "BUSY" indicates that the communication has failed because of busy line. "STOP" indicates that **STOP** was pressed during communication. "P-OK" indicates that memory overflow or document misfeeding occurred while storing the documents into memory for transmission but successfully stored document(s) was sent. "B-OK" indicates that the Batch Transmission was successful. "- -" indicates LAN transmission. "3-digit Info Code (See page 125) indicates that the communication has failed. In this case, the machine will print out the attached report with first page of your document as shown on the previous page.
(7)	One-Touch/Abbreviated number or ☎ mark	:	☎ mark indicates dialled by direct number dial.
(8)	Recorded name in the Phone Book, direct dialling number, or email address		
(9)	Number of pages transmitted or received	:	The 3-digit number is the number of pages successfully transmitted or received. When the documents are stored into memory, two 3-digit numbers will appear. The first 3-digit number represents the number of pages successfully transmitted. The second 3-digit number represents the total number of pages that were attempted to be transmitted.
(10)	Duration of communication		

One-Touch/Abbreviated and Directory Search List

To print a One-Touch/Abbreviated Number and Directory Search List of the telephone numbers you have stored.

Make sure that the FAX/EMAIL lamp is ON. If not, press FAX/EMAIL **to select the "FAX/EMAIL" mode.**

1 FUNCTION 6 MNO

```
PRINT OUT       (1-7)
ENTER NO. OR ∨ ∧
```

2 2 ABC

```
2:ONE-TCH/ABBR LIST?
PRESS SET TO PRINT
```

3 SET

```
1:ONE-TOUCH/ABBR NO.
2:DIR. SEARCH
```

4 1 @. for One-Touch/ABBR. Number List

```
* PRINTING *
ONE-TOUCH/ABBR LIST
```

or

or

2 ABC for Directory Search List

```
* PRINTING *
DIR. SEARCH LIST
```

Continued on the next page...

One-Touch/Abbreviated and Directory Search List

Sample One-Touch List

```
*************** -ONE-TOUCH LIST- ****************** DATE dd-MMM-yyyy ***** TIME 11:11 *** P.01
(1)        (2)                (3)                                              (7)
ONE-  STATION NAME     EMAIL ADDRESS / TELEPHONE NO.
TOUCH                  ROUTING SUB-ADDR (5)  ROUTING TSI (6)         RELAY ADDR (ABBR NO.)

<01>  John Smith       ☎201 555 3456
                       4452                  +1 201 123 4567              [001]
<02>  Jane Smith       ☎201 555 1212
                       1212                  212 555 1234                 [002]
<03>  Bob Jones        jonesb@abcdefg.com
                       123456                201 555 1212
<04>  Panafax1         panafax1@rdmg.mgcs.mei.co.jp
                       4827                  +81 03 5251 1234
<05>  Panafax2         panafax2@rdnn.mgcs.mei.co.jp
                       1773                  +81 0467 5251 1234

      NO. OF STATION = 05
                                                    -PANASONIC              -
*********************************************-HEAD OFFICE - ***** - 201 555 1212- *********
```

Sample ABBR. Number List

```
*************** -ABBR NO. LIST- ******************* DATE dd-MMM-yyyy ***** TIME 11:11 *** P.01
(1)
ABBR  STATION NAME     EMAIL ADDRESS / TELEPHONE NO.
NO.                    ROUTING SUB-ADDR      ROUTING TSI             RELAY ADDR (ABBR NO.)

[001]  John Smith      ☎201 555 3456
                       4452                  +1 201 123 4567              [009]

[002]  Jane Smith      ☎201 555 1212
                       1212                  212 555 1234                 [010]

[003]  Bob Jones       jonesb@abcdefg.com
                       123456                201 555 1212

[004]  Panafax1        panafax1@rdmg.mgcs.mei.co.jp
                       4827                  +81 03 5251 1234

[005]  Panafax2        panafax2@rdnn.mgcs.mei.co.jp
                       1773                  +81 0467 5251 1234

       NO. OF STATION = 005
                                                    -PANASONIC               -
*********************************************-HEAD OFFICE - ***** - 201 555 1212- *********
```

One-Touch/Abbreviated and Directory Search List

Sample Directory Search List

```
*************** -DIR. SEARCH LIST- ******************* DATE dd-MMM-yyyy ***** TIME 11:11 *** P.01
(8)    (2)           (1)          (3)                                          (7)
       STATION NAME  ONE-TOUCH/   EMAIL ADDRESS / TELEPHONE NO.
                     ABBR NO.     ROUTING SUB-ADDR (5)  ROUTING TSI (6)      RELAY ADDR (ABBR NO.)

[B]    Bob Jones     [003]        jonesb@abcdefg.com
                                  123456                201 555 1212

[J]    John Smith    [001]        ☎201 555 3456
                                  4452                  +1 201 123 4567         [009]

       Jane Smith    [002]        ☎201 555 1212
                                  1212                  212 555 1234            [010]

[K]    Panafax1      [004]        panafax1@rdmg.mgcs.mei.co.jp
                                  4827                  +81 03 5251 1234

[M]    PAnafax2      [005]        panafax2@rdnn.mgcs.mei.co.jp
                                  1773                  +81 0467 5251 1234

          NO. OF STATIONS = 005 (4)

                                                              -PANASONIC                -
**********************************************-HEAD OFFICE - ***** - 201 555 1212- *********
```

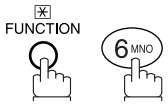
(1)	One-Touch number or Abbreviated number		<nn>= One-Touch number, [nnn] = Abbreviated number
(2)	Station name recorded in the machine	:	Up to 15 characters
(3)	Telephone number recorded in the machine	:	Up to 36 digits (Telephone number)
	Email address recorded in the machine	:	Up to 60 characters (Email address)
	☎number	:	Telephone Number programmed into One-Touch / ABBR NO.
(4)	Number of recorded One-Touch and ABBR. numbers		
(5)	Routing Sub-address	:	Up to 20 digits
(6)	Routing TSI	:	Up to 20 digits
(7)	Relay Address	:	3-digit
(8)	The first letter of station name recorded in your machine		

Program List

To print a Program List of the Dialling Patterns that you have previously entered into the Program Keys.

Make sure that the FAX/EMAIL lamp is ON. If not, press

to select the "FAX/EMAIL" mode.

1 


```
PRINT OUT       (1-7)
ENTER NO. OR ∨ ∧
```

2


```
3:PROGRAM LIST?
PRESS SET TO PRINT
```

3


```
* PRINTING *
PROGRAM LIST
```

Sample Program List

```
*************** -PROGRAM LIST- ****************** DATE dd-MMM-yyyy ***** TIME 15:00 **********

 (1)        (2)                  (3)        (4)       (5)
 PROGRAM    PROGRAM NAME         TYPE       TIMER     ABBR NOS.

    [P1]    TIMER XMT            XMT        12:00     [001]
    [P2]    TIMER POLL           POLL       19:00     [002]
    [P3]    PROG. A              POLL       -----     [001] [002]
    [P8]    PROG. B              ABBR/GRP   -----     [001] [002] [003]

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********************************** -HEAD OFFICE     - ***** -        201 555 1212- *********
```

Explanation of Contents

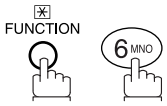
(1)	Program key	
(2)	Program name	Up to 15 characters
(3)	Type of communication	"XMT" indicates transmission. "POLL" indicates polling. "ABBR/GRP" indicates that the Program key is programmed as a group key. "ONE-TOUCH" indicates that the Program key is programmed as a One-Touch key. "POP" indicates that the Program key is programmed as a POP access key.
(4)	Timer	Indicates the starting time. "---- " indicates that the Program key contains "non-deferred" program.
(5)	Numbers recorded in the program	One-Touch/ABBR. numbers

FAX Parameter List

To Print a FAX Parameter List:

Make sure that the FAX/EMAIL lamp is ON. If not, press

to select the "FAX/EMAIL" mode.

1 


```
PRINT OUT       (1-7)
ENTER NO. OR ∨ ∧
```

2


```
4:FAX PARA. LIST?
PRESS SET TO PRINT
```

3


```
* PRINTING *
FAX PARAMETER LIST
```

Sample FAX Parameter List

```
*************** -FAX PARAMETER LIST- ************** DATE dd-MMM-yyyy ***** TIME 15:00 ***** P.01

(1)          (2)                      (3)                                        (4)          (5)
PARAMETER    DESCRIPTION              SELECTION                                  CURRENT      STANDARD
 NUMBER                                                                         SETTING      SETTING

(4)001       CONTRAST    (HOME)       (1:Lightest -----------   5:Darkest)      3            3
  *002       RESOLUTION  (HOME)       (1:Standard   2:Fine       3:S-Fine)      2            1
   003       ORIGINAL    (HOME)       (1:Text       2:Text/Photo  3:Photo)      1            1
    |          |                          |                                       |            |
    |          |                          |                                       |            |
   164       IFAX XMT HEADER           (1:Included   2:Not included)            1            1


                                                    -PANASONIC                -

********************************** -HEAD OFFICE     - ***** -        201 555 1212- *********
```

Explanation of Contents

(1) Parameter number

(2) Description : "(HOME)" means home position setting.

(3) Selection

(4) Current setting : "----" indicates code or password is not set. When the code or password is set, it is represented by asterisk(*).

(5) Standard setting : Factory preset standard setting

Continued on the next page...

FAX Parameter List

Sample Internet Parameter List

```
*************** -FAX PARAMETER LIST- ************** DATE dd-MMM-yyyy ***** TIME 15:00 *** P.02

        *** INTERNET PARAMETERS ***
        TIME ZONE              :   GMT-5:00 Eastern Time (US & Canada)

        MAC ADDRESS            :   080023000FF9

        IP ADDRESS             :   123.178.240.3
        SUBNET MASK            :   255.255.255.255
        SMTP SERVER NAME       :   smtp.mgcs.mei.co.jp
        DEF. ROUTER IP ADDR    :   172.21.22.1
        EMAIL ADDRESS          :   fax@mgcs.co.jp
        DNS SERVER IP ADDRESS  :   133.185.247.45 (See Note 1)

        POP SERVER NAME        :   pop.mgcs.mei.co.jp
        POP USER NAME          :   Panasonic
        POP PASSWORD           :   *****

        HOST NAME              :   ifax001
        DEFAULT SUBJECT        :   Internet Fax from Sales Dept.
        DEFAULT DOMAIN         :   panasonic.com
        SELECTABLE DOMAINS
                (01)           :   mgcs.co.jp
                (02)           :   panasonic.co.jp
                (03)           :
                (04)           :
                (05)           :
                (06)           :
                (07)           :
                (08)           :
                (09)           :
                (10)           :
        REMOTE PASSWORD        :   *****

        RELAY XMT PASSWORD     :   *****
        MANAGER'S EMAIL ADDR   :   ifaxadmin@mgcs.co.jp
        RELAY DOMAINS
                (01)           :   panasonic.co.jp
                (02)           :   mgcs.co.jp
                (03)           :   sales.panasonic.com
                (04)           :   tech1.panasonic.com
                (05)           :
                (06)           :
                (07)           :
                (08)           :
                (09)           :
                (10)           :

                                                        -PANASONIC              -
*********************************************-HEAD OFFICE - ***** - 201 555 1212- *********
```

NOTE

1. *By default the machine will prompt you to enter the SMTP and POP Server Names. To change the prompt to IP Address, change the Fax Parameter No. 161 (DNS SERVER) to "Invalid".*

Information Codes

When something unusual occurs, the display may show one of the Information Codes listed below. These will help you to identify and correct the problem.

Info. Code	Meaning	Action	Page
712	Incorrect email address.	Check the registered email address. Check the IP Address of the SMTP Server with the Network Administrator.	--
713	Memory overflow in the LAN Interface.	The document data exceeded 1.6 MB/page and cannot be sent.	--
714	Cannot logon to the LAN.	Check the 10Base-T/100Base-TX cable connection. An unexpected LAN problem occurred. Contact the Network Administrator.	--
715	TCP/IP connection timed out.	Check the Internet Fax parameter settings. Verify the IP Address, Default Router IP Address, SMTP Server IP Address.	--
716	Cannot logon to the designated SMTP Server.	Check the SMTP Server IP Address setting. Contact the Network Administrator.	--
717	Incomplete SMTP Protocol transmission. SMTP Server's hard disk may be full.	SMTP Server is defective. Contact the Network Administrator.	--
718	Page Memory Overflow occurred while receiving printing data. The paper size selected within your application to print is larger than the paper size loaded in the cassette(s).	Check the document size and resolution. Ask originator to re-send in a supported size and resolution.	--
719	Received data via LAN is in a format that is not supported.	Ask the originator to re-send with a supported file attachment format: * In a TIFF-F format. * Image data conforming to recording paper size.	--
720	Cannot connect to the POP Server. (Incorrect POP Server IP Address) POP Server is down.	Check the POP Server IP Address. Contact the Network Administrator.	--
721	Cannot connect to the POP Server. (User Name or Password error)	Check the POP User Name and Password. Contact the Network Administrator.	--
725	DNS Server connection timed out. DNS Server is down.	Check the DNS Server IP Address. Contact the Network Administrator.	--
726	Received an error response from the DNS Server.	Check the POP Server Name. Check the SMTP Server Name.	--
730	Cannot retrieve the Journal nor program the Internet Parameters and the Auto Dialler remotely via email from a PC.	Check that the Fax Parameter No. 158 (PC REMOTE UPDATE) is set to "2:Valid".	57
731	The dialler buffer for manual dialling was full (30 stations) when the Relay Transmission Request was received.	Request the originator to re-send the Relay Transmission Request after the reserved communication is finished.	--

NOTE

1. *After identifying the problem and verifying the recommended action, if the Information Codes keep re-occurring or for help on Information Codes that appear on your machine but are not listed above, please contact your local Panasonic Authorized Dealer.*

Email ABBR Programming Errors

Error Message Sent to the Sender

Error messages that are emailed from your machine to the original sender during remote programming of the Auto Dialler via email.

	Error Message	Possible Cause
1	554 Data transfer error (broken header)	The header or sub header decoding is being processed while the message finished, try again.
2	554 Data transfer error (broken data)	Multiple contents are present and being processed while the message finished, try again.
3	554 Data transfer error (FAX module)	Data transfer error occurred in the FAX module while communicating with the LAN module, try again.
4	554 MIME attachment not supported (message/file)	MIME attachment is not supported during this operation, re-send using plain text in the message body only.
5	554 MIME format not supported	MIME file type is not supported, re-send using plain text in the message body only.
6	554 G3 relay permission denied	The requested domain for Relayed XMT is not registered.
7	554 Relay address unknown	The telephone number of end receiving station for the Relayed XMT is unknown.
8	554 Memory full (FAX module)	FAX Memory is full, try again later.
9	554 Data transfer error	Other errors not listed above, try again later.

Internet FAX Return Receipt Errors Messages

Error messages that are printed on the Internet Fax Return Receipt when remote programming of the Auto Dialler via email fails.

	Error Message	Possible Cause
1	Format Error : <@command block, the "@end" command is missing.>	The block termination command "@end" is missing in the "@command" block, add the "@end" command and try again.
2	Format Error : <@begin block, the "@begin" command is missing.>	The block start command "@begin" is missing in the "@begin" block, add the "@begin" command and try again.
3	Format Error : <@begin block, the "@end" command is missing.>	The block termination command "@end" is missing in the "@begin" block, add the "@end" command and try again.
4	Format Error : <@system block, the "@end" command is missing.>	The block termination command "@end" is missing in the "@system" block, add the "@end" command and try again.
5	Format Error : <@sender block, the "@end" command is missing.>	The block termination command "@end" is missing in the "@sender" block, add the "@end" command and try again.
6	Format Error:<@domain block, the "@end" command is missing.>	The block termination command "@end" is missing in the "@domain" block, add the "@end" command and try again.
7	Format Error : <@program block, the "@end" command is missing.>	The block termination command "@end" is missing in the "@program" block, add the "@end" command and try again.
8	Format Error:<@system block, the "@system" command is missing.>	The system block start command "@system" is missing in the "@system" block, add the "@system" command and try again.
9	Permission denied : <Fax Forward parameter is set to "Valid".>	Change the Fax Forward parameter to "Invalid" and try again.
10	Permission denied : <Fax machine is busy performing a task.>	Try again later when the machine is not busy.

Email ABBR Programming Errors

	Error Message	Possible Cause
11	Error : <Programmed ABBR overwrite prohibited. Use open ABBR only.>	Can not overwrite existing programmed data, use the "Delete" command to erase the existing data first.
12	Permission denied : <Password is incorrect.>	Correct the password and try again.
13	Permission denied : <Remote Dialler Update parameter is set to "Invalid".>	Set the Remote Dialler Update parameter to "Valid".
14	Format Error : <error line>	The format of the Entry is incorrect / incomplete or the data string for each station is not defined within a single line.
15	Warning : <error line>	The format of the Entry is incorrect or the number of characters entered, exceed the maximum allowed in the field. Correct it and try again.
16	Warning : Field limit exceeded<error line>	The maximum number of Station Name, Domain Name, Sender Name, Program Name, etc were exceeded.

memo

Specifications

The specifications listed below are for the Internet Fax only, for Copier and Fax specifications, see their respective Operating Instructions.

Standard Compliance	10Base-T Ethernet (IEEE 802.3), 100Base-TX Fast Ethernet (IEEE802.3u)
Connector Interfaces	10/100 Base-TX port: RJ-45
Compatibility	IETF RFC 2305, ITU-T T.37
Communication Protocol	TCP/IP, SMTP, POP3. MIME
File Format	TIFF MH [IETF RFC 2301 Profile S], MMR (400 dpi only)
Email Receiving Width	Maximum A3 size

NOTE

1. Specifications are subject to change without notice.

Glossary

10Base-T/100Base-TX	An Ethernet standard for cable. The 10/100 refers to its 10/100 Mbps bandwidth, the base to single channel baseband, and the T to the Twisted pair. The cable uses two pairs of unshielded twisted wires.
Client	Clients are computers that run software programs used to contact and obtain data from Server software program on another computer, often across a great distance.
Default Router IP Address	This is your Router's Address, it is used by other Networks to determine which route to take when communicating with your Internet Fax.
Direct Dialling	The method of dialling where you enter the entire telephone number or email address through the keypad.
Directory Search Dialling	Allows you to dial a full telephone number or email address by searching the station's name or email address entered in the One-Touch keys or Abbreviated dialling numbers.
DNS (Domain Name Server)	The purpose of the DNS is to store records containing domain information, such as Fully Qualified Domain Names (FQDN) and translate them to TCP/IP addresses.
Domain Name	A unique name that identifies an Internet site. Domain Names always have 2 or more parts, separated by dots. The part on the left is the most specific, and the part on the right is the most general.
Email Address	The address for sending and receiving data by email. It consists of User name, Sub-domain name and Domain name.
End Receiving Station	In a relay network, the final station designated to receive the document.
Ethernet	A very common method of networking computers and equipment in a LAN. Ethernet can handle up to 100 Mbps and can be used with almost any kind of computer.
G3 Mode (Group 3)	Refers to the standards and transmission capabilities of the current generation of facsimile machines.
Group Dialling	The ability to program many telephone numbers and/or email addresses into a single station so that many locations can be dialled in sequence utilizing a single keystroke.
Halftone	A scanning technique to distinguish levels of gray from black and white. Your machine can detect up to 256 levels of gray in halftone mode.
Header	A row of information that is transmitted by the sending machine and printed on the top of each page by the receiving unit. This identifies the transmitting unit and information about the transmission, such as time and date.
Home Page	The page that your Browser displays when it starts up or the main web page for a business, organization, etc.
Host	Any computer on a network that is a repository for services available to other computers on the network. A Host must have a unique Host name within a domain. The host is the first (left most) section of the Fully Qualified Domain Name (FQDN). The remainder of the FQDN is the domain and often tells you something about where your machine is located (i.e., at Panasonic). **Example:** Your machine's email address is: Fax@fax01.panasonic.com In the example above "fax01" is the host and "panasonic.com" is the domain.
ID	A programmable address of up to 20 digits identifying your machine.

Information Code	A code that is internally generated by your Fax stating a specific operational error or machine failure.
Initial Sending Station	In a relay network, the station that is originating the document transmission.
Internet	The vast collection of inter-connected networks that all use the TCP/IP protocols. The Internet connects independent networks into a vast global internet.
Intranet	A private network inside a company or organization that uses the same kinds of software that you would find on the public Internet, but that is only for internal use.
IP Address	A unique number used to identify equipment or host computers on the Internet.
ISP (Internet Service Provider)	An institution that provides access to the Internet in some form, usually for money.
Journal	A report that is printed by your unit listing the last 100 transactions.
Keypad	A group of numeric keys located on your control panel.
LAN (Local Area Network)	A computer network system and printer limited to an immediate area, such as an Office, Factory, and University used to integrate and exchange data.
LCD	Liquid Crystal Display. The display area of your machine.
LOGO	Your programmed company name or identification up to 25 alphanumeric characters.
MAC Address	Its the hardware address, often referred to as MAC (Media Access Control) address that is assigned to the equipment. MAC address is hard-coded and is not configurable. The MAC address consists of 6 hexadecimal numbers separated by colons. Example: 00:00:c0:34:f1:50
Mail Gateway IP Address	The Address of the Mail Server. The Internet Fax communicates with your existing Mail Server for all communication traffic.
Mailing List	A system that allows people to send an email to one address, whereupon their message is conveyed to multiple subscribers on the Mailing List.
MAPI	Acronym for Message Application Programming Interface. A standard Windows interface for messaging that enables different mail programs and other mail-aware applications like word processors and spreadsheets to exchange messages and attachments with each other.
MIME (Multipurpose Internet Mail Extension)	A standard used for attaching non-text (image) files to Internet email messages.
Multi-Station Transmission	The ability to broadcast the same set of documents to a programmed number of locations.
Network	Any time you connect 2 or more computers together so that they can share resources, you have a computer network. Connect 2 or more networks together and you have an internet.
POP (Post Office Protocol)	POP refers to the way email software such as Eudora or your machine gets email from a mail server. You must always have a POP account that you tell your email software to use to retrieve your mail.
Program Keys	Keys that are defined for storing a sequence of stations to be dialled.
Protocol	A protocol is the special set of rules for communicating that the end points in a telecommunication connection use when they send signals back and forth. Both end points must recognize and observe the protocol.
Relay Address	A 2-digit code that identifies your machine is programmed in a relay network.
Relay Network	A group of facsimile machines that communicate via a relay station.

Continued on the next page...

Glossary

Relay Station	A certain type of facsimile machine that can store and forward documents to an end receiving station and/or a relay station in another relay network. Your machine can not be used as a relay station.
Relayed Transmission	Sending a document to a relay station, which in turn, sends the document to the end receiving station.
Relayed Transmission Report	A report that contains information regarding the last document transmission to a relay station.
Resolution	Relates to the number of dots scanned or printed per certain square. The quality of the image increases as the number of dots per certain square increases.
Router	A special purpose computer (or software package) that handles the connection between 2 or more networks. Routers act like traffic cops, they spend their time looking at the destination addresses of the packets passing through them and deciding which route to send them on.
Sender Selection	The user can select one of 24 pre-programmed sender's name and email address/telephone number before each transmission.
Server	A computer, or a software package, that provides a specific kind of service to client software running on other computers. A single server machine could have several different server software packages running on it, thus providing many different servers to clients on the network.
SMTP (Simple Mail Transfer Protocol)	This is the main communication protocol used to send and receive email on the Internet.
Station Name	Alphanumeric ID which can be programmed for each One-Touch dialling and Abbreviated dialling number.
Sub-Address	ITU-T recommendation for further routing, forwarding or relaying of incoming faxes.
Sub-Address Password	ITU-T recommendation for additional security that corresponds to the Sub-address.
Subnet Mask	A mask bit used to manage sub-segments of the network which is defined with network IDs.
TCP/IP (Transmission Control Protocol/Internet Protocol)	TCP/IP is a suite of protocols used to connect to the Internet and wide-area networks.
TIFF Image Viewer	An application software to view the contents of TIFF-F File. Some TIFF Image Viewers may not display the data properly.
TIFF-F (Tagged Image File Format)	An image file format for attachments of graphic data for smooth transmission between different units. The coding method of this format supports the same coding as Modified Huffman (MH) and multiple-page image data.
User Parameter	Programmed parameters that provide information to other stations. Examples are logo, character ID, date and time.
View Mode - File List	Allows you to view the brief contents of the memory files through the LCD display without having to print the Memory File List.
View Mode - Journal	Allows you to view the brief contents of the journal through the LCD display without having to print the journal.

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Telephone Number / Email Address Directory

Name	Telephone Number / Email Address

For Service, Call: _____

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